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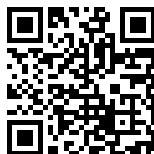
625 L95

Catalogue and price

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625

L95

Columbia University
in the City of New York

LIBRARY



GENERAL LIBRARY

Ashcroft & Co. 50 Jervis
~~LOW & BURGESS.~~

CATALOGUE

AND

PRICE LIST

OF

SUPPLIES

FOR

RAILROAD AND STEAMBOAT CO.'S

MANUFACTURERS,

Locomotive and Car Builders, &c.

No. 55 LIBERTY STREET,

NEW-YORK.

New-York:

W. H. ARTHUR & CO., STATIONERS,

No. 39 NASSAU-STREET.

1860.

**EVERY ARTICLE USED
IN THE
CONSTRUCTION, EQUIPMENT, AND REPAIR
OF
RAIL ROADS, STEAMBOATS, AND MACHINE SHOPS,
WILL BE FOUND
ALPHABETICALLY ARRANGED.**

**Particular attention will be given to filling orders promptly, and seeing
goods carefully packed, marked, and shipped.**

LOW & BURGESS,
 DEALERS IN
RAILROAD, STEAMBOAT, MACHINE SHOP,
 LOCOMOTIVE AND CAR BUILDERS
S U P P L I E S ,
 NO. 55 LIBERTY-STREET,
NEW-YORK.

A.

ACID—Nitric,	per lb.	\$0.10½
“ Sulphuric,	“	0.02½
ADZE, for Track Work,	per doz.,	\$18.00 to 21.00
ANTIMONY,	per lb.,	0.12½ to 0.18
ANVILS—“ American Star” & English “		0.08 to 0.12
AXES—Collins’ best,	per doz.,	9.00 to 12.00
AXE HANDLES,	“	2.00
AXLES for Locomotives, from the celebrated Forges of Lazell, Perkins & Co., and are manufactured in the most superior manner.		
Crank Axles, Finished to pattern, per lb.,		\$0.18 to 0.20
Driving “ “ “ “		0.06 to 0.07

135037

AXLES for CARS—

Best Faggoted, Hammered,	.	per lb.,	\$0.05	to	0.06
“ Selected Scrap, “	.	“	0.04½	to	0.05
“ “ “ “ Rolled, “	.	“	0.04	to	0.04½

B.

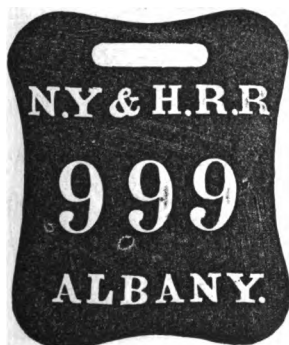
BABBITT'S METAL, . . . per lb. \$0.20 to 0.35

BADGES for Brakemen and Baggage-men, per doz. 2.25 to 3.00

BAGGAGE-CHECKS OF EVERY DESCRIPTION.

Brass, complete, with duplicate,	.	.	.	per 100,	\$10.00
Reversible Brass,	.	.	.	“	10.00
“ Leather,	.	.	.	“	10.00
White Metal,	.	.	.	“	11.00
Copper,	.	.	.	“	11.00
German Silver,	.	.	.	“	14.00

 See pages 5 and 6.





PATENT REVERSIBLE CHECKS.

This style of Check is now adopted on most of the Railroads, and has the advantage of determining the destination of the baggage, and the route.

Price, per hundred, \$10.00.



BALANCES, Locomotive Balances—


Salter's English Locomotive Balance. This is the genuine imported Balance which is very generally used by Rail-Road Companies in this country.

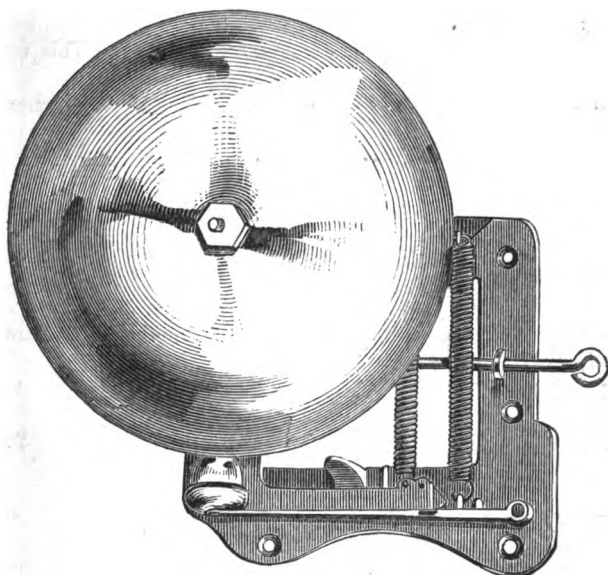
The new pattern, as shown in the accompanying Cut, will be found particularly desirable, the Scale being on the inside cylinder, and the "Pointer" dispensed with.

Price,	.	.	.	.	each.	\$9.00
Chatillon's, 150 lbs,	.	.	.	.	"	8.00
Morton's	"	.	.	.	"	8.25
Low & Burgess' 150 lbs.	.	.	.	.	"	7.50

BARROWS, For Contractors' use . per doz. **\$24.00**

For Baggage, . . each, **8.00 to 15.00**

BELLS, Signal Bells or GONGS for Locomotives—



6 inch diameter,	.	.	.	.	.	each,	\$2.50
7 " "	.	.	.	.	.	"	3.00
8 " "	.	.	.	.	.	"	3.50
9 " "	.	.	.	.	.	"	4.25
10 " "	.	.	.	.	.	"	5.00
13 " "	.	.	.	.	.	"	11.00
16 " "	.	.	.	.	.	"	14.00
BELLS for City Rail Cars, 6 inch diameter,	.	.	.	.	.	"	2.50
" Trip, for Steamers, 3 " "	.	.	.	.	.	"	0.75
4 " "	.	.	.	.	.	"	1.00
5 " "	.	.	.	.	.	"	1.50

BELLS for Depots and Engines, Turned			
and Polished,	. . .	per lb.	\$0.40
BELL CORDS—Hemp,			
	. . .	"	0 18 to 0.25
Flax,			
	. . .	"	0.20 to 0.25
Cotton,			
	. . .	"	0.15 to 0.20
Leather,			
	. . .	per ft.	0.05
Fancy Braided,			
	. . .	"	0.05
BELL CORD HOOKS—Brass,			
	. . .	per doz.	1.75
Plated,			
	. . .	"	2.75.
BELL CORD CONNECTIONS—Brass,			
	. . .	"	1.50
Plated,			
	. . .	"	2.00
BELL CORD RINGS—Brass,			
	. . .	"	1.50
Plated,			
	. . .	"	2.00
BELL CORD THIMBLES—Brass,			
	. . .	"	2.00 to 3.00
Plated,			
	. . .	"	3.00 to 3.50

BELTING—**INDIA RUBBER AND GUTTA PERCHA.**

THREE PLY.					FOUR PLY.				
2 inches, 10 cents per foot.					2 inches, 13 cents per foot.				
3	"	15	"	"	3	"	17	"	"
4	"	20	"	"	4	"	24	"	"
5	"	24	"	"	5	"	30	"	"
6	"	29	"	"	6	"	36	"	"
7	"	34	"	"	7	"	41	"	"
8	"	38	"	"	8	"	47	"	"
9	"	45	"	"	9	"	58	"	"
10	"	54	"	"	10	"	69	"	"
11	"	60	"	"	11	"	75	"	"
12	"	66	"	"	12	"	83	"	"
13	"	72	"	"	13	"	92	"	"
14	"	81	"	"	14	"	100	"	"
15	"	86	"	"	15	"	107	"	"
16	"	92	"	"	16	"	115	"	"
18	"	104	"	"	18	"	130	"	"
20	"	115	"	"	20	"	144	"	"
24	"	138	"	"	24	"	173	"	"

BELTING—

**PREMIUM PATENT STRETCHED AND RIVETED
OAK TANNED LEATHER.**

1 inch Single Band, price per running foot, 6 cents.

2	"	"	"	"	"	"	12	"
3	"	"	"	"	"	"	20	"
4	"	"	"	"	"	"	28	"
5	"	"	"	"	"	"	36	"
6	"	"	"	"	"	"	44	"
7	"	"	"	"	"	"	52	"
8	"	"	"	"	"	"	60	"
9	"	"	"	"	"	"	68	"
10	"	"	"	"	"	"	76	"
11	"	"	"	"	"	"	86	"
12	"	"	"	"	"	"	96	"
13	"	"	"	"	"	"	106	"
14	"	"	"	"	"	"	116	"
15	"	"	"	"	"	"	126	"
16	"	"	"	"	"	"	136	"
17	"	"	"	"	"	"	146	"
18	"	"	"	"	"	"	156	"
19	"	"	"	"	"	"	166	"
20	"	"	"	"	"	"	178	"
21	"	"	"	"	"	"	190	"
22	"	"	"	"	"	"	200	"
23	"	"	"	"	"	"	214	"
24	"	"	"	"	"	"	226	"

Double Bands twice the price of Single.

Hemlock Bands, 20 per cent. less than Oak.

BLACKSMITH'S BELLOWS—

28	30	32	34	36	38	40	In. wide.
\$6.50	7.50	9.50	11.50	13.50	15.50	17.50	each.

BLACK-LEAD POTS, 75 cents to \$1, or $3\frac{1}{2}$ cents per number.

BLOCKS for Hoisting and Bridge Work, each, \$4 50 and upwards.

BOLTS, with Square Heads and Nuts, manufactured from the best refined Iron.

PRICE PER HUNDRED.

1-4 inch.		5-16 inch.		8-8 inch.		7-16 inch.		1-8 inch.	
Size.	Price p. 100.	Size.	Price p. 100.	Size.	Price p. 100.	Size.	Price p. 100.	Size.	Price p. 100.
1½,	\$2.90	1½,	\$3.00	1½,	\$3.25	1½,	\$3.70	1½,	\$4.40
1¾,	2.95	1¾,	3.05	1¾,	3.30	1¾,	3.75	1¾,	4.45
2,	3.00	2,	3.10	2,	3.35	2,	3.80	2,	4.50
2¼,	3.05	2¼,	3.15	2¼,	3.40	2¼,	3.85	2¼,	4.55
2½,	3.10	2½,	3.20	2½,	3.45	2½,	3.90	2½,	4.60
2¾,	3.15	2¾,	3.25	2¾,	3.50	2¾,	3.95	2¾,	4.65
3,	3.20	3,	3.30	3,	3.55	3,	4.00	3,	4.70
3½,	3.30	3½,	3.40	3½,	3.65	3½,	4.10	3½,	4.80
4,	3.40	4,	3.50	4,	3.75	4,	4.20	4,	4.90

9-16 inch.		5-8 inch.		11-16 inch.		8-4 inch.	
Size.	Price p. 100.	Size.	Price p. 100.	Size.	Price p. 100.	Size.	Price p. 100.
.....		
1½,	\$5.30	1½,	\$6.60	1½,	\$8.00	1½,	\$10.30
2,	5.38	2,	6.70	2,	8.10	2,	10.40
2¼,	5.46	2¼,	6.80	2¼,	8.20	2¼,	10.50
2½,	5.54	2½,	6.90	2½,	8.30	2½,	10.60
2¾,	5.62	2¾,	7.00	2¾,	8.40	2¾,	10.70
3,	5.70	3,	7.10	3,	8.50	3,	10.80
3½,	5.86	3½,	7.30	3½,	8.70	3½,	11.00
5,	6.02	4,	7.50	4,	8.90	4,	11.20

The list refers exclusively to Bolts with square heads and Nuts. Bolts with six square heads and square nuts, or square heads and six square nuts, will be charged 10 per cent. extra. If both six square heads and six square nuts, 20 per cent. e

BOLTS, with square heads—

Diameter. Inch.	Length.						Per lb.
$\frac{3}{8}$	from	$4\frac{1}{4}$	to	8 inches,	.	.	11½ cts.
$\frac{1}{2}$	"	"	"	"	"	.	10 "
$\frac{9}{16}$	"	"	"	"	"	.	9 "
$\frac{5}{8}$	"	"	"	"	"	.	8½ "
$\frac{3}{4}$	"	"	"	"	"	.	8½ "
$\frac{7}{8}$	"	"	"	"	"	.	8½ "
1	"	"	"	"	"	.	8½ "
$\frac{5}{8}$	$\frac{3}{4}$, $\frac{7}{8}$, and 1 over	8 inches,	.	.	.	.	7 "
Long Bolts over 4 feet,							6½ "

SHIP BOLTS, BOLT ENDS, AND BRIDGE BOLTS,
made to order of the best refined Iron.

All the above sizes, from 24 inches to 6 feet long, one cent per pound less. All work warranted.

BORAX—Best Refined, . . . per lb. \$0.19 to 0.21

BRASS—Sheet Brass, with every variety of Spun Work, executed in the very best manner, and to order.

BRASS WORK for Locomotives, as ordered.

"	"	Domes,	.	.	each,	\$40.00 to 60.00
"	"	Steam-Chest Covers,	plain,			36.00
		"	"	"	fancy,	55.00

BRICK—Fire Brick for Cupolas or Furnaces, according to shape and size, from \$20 to \$25 per thousand.

BRAKE TUBING—India Rubber, . per lb. 75c.

BRIDGE WORK—Iron, " 0.05½ to 0.06½

BRUSHES—Scrub Brushes, best make, per doz. 1.50 to 2 25

" Paint, "

" Varnish, "

BUCKETS FOR LOCOMOTIVES—

India Rubber, per doz. \$21.00

Gutta Percha, " 24.00

Leather, " 42.00

BUCKRAM, per yd. 0.15

BURLAPS, " 0.12½

BUTTS—Brass—

3 + 2 inches, Loose Joints, . per doz. 5.00

3½ + 2½ " " . " 6.00

3½ + 3 " " . " 9.00

3½ + 2½ " " . " 6.00

3½ + 2½ " Heavy, . " 9.00

4 + 4 " " . " 13.00

Silver Plated, \$1.00 per doz., more than Brass.

BUTTONS—Tufting Buttons, . per gro. 0.75

" Enamelled " . " 0.50

C.**CANDLES for Car Lamps—**

Adamantine,	per lb.	\$0.30 to 0.35
Spermaceti,	"	0.40 to 0.45
Patent Sperm,	"	0.50 to 0.55
CANVAS,	per yd.	0.16

CARS.

PASSENGER,	\$1500.00 to 2800.00
BAGGAGE AND EXPRESS,	1200.00 to 1500.00
OMNIBUS OR CITY PASSENGER,	475.00 to 800.00
COVERED FREIGHT,	475.00 to 800.00
PLATFORM "	550.00 to 750.00
DUMPING OR GRAVEL,	175.00 to 300.00
COAL CARS,	190.00 to 225.00
HAND CARS, CRANK,	100.00 to 125.00
" " LEVER,	75.00 to 100.00

Particular attention will be given to furnishing estimates for every size and style of Cars, at the lowest Manufacturers' prices and terms.

CAR COUPLINGS—"Hopkins" and "England"

Patent Self-Acting,	per lb.	\$0.05 to 0.07
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CARPETS for Trimming Car Seats, of Brussels, Tapestries, and Velvets, at Importers prices.

CASTINGS for Engines and Cars, per lb. \$0.03 to 0.03½

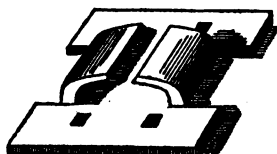
“ “ Bridges, . . . “ 0.02½ to 0.03

CEMENT, Gutta Percha Cement. From its great durability, is fast superseding paint, for coating and preserving new, and repairing Old Tin and Metal Roofs. It adheres firmly to tin and other metals, forming, when applied, a body equal to three coats of ordinary paint, and will last three times as long; and from its elasticity is not injured by the contraction and expansion of tin and other metal roofs, consequent upon sudden changes of the weather. It is not liable to crack in cold, or run in warm weather, and will not wash off.

LEAKY TIN and METAL ROOFS are readily repaired with **GUTTA PERCHA CEMENT**, and prevented from further corrosion and leaking, thereby insuring a perfectly water-tight roof for many years. Price, per bbl. \$30.00

CHAIN for Brakes, warranted proof, per lb. \$0.06 to 0.08

CHAIRS—



Railroad, wrought iron,	.	.	per lb.	\$0.03 $\frac{1}{4}$	\$0.03 $\frac{3}{4}$
Double continuous lip,	.	.	"		0.05
Single " lip,	.	.	per lb.		0.04 $\frac{3}{4}$
" Cast Iron,	.	.	"	0.02	to 0.03
" Davis' Patent Elastic,	.	.	each,	0.60	to 0.80

We will furnish Chairs, and take Old Rails, Wheels and Scrap Iron in exchange.

CHAMOIS-SKINS, . . . per doz. \$2.25 to 4.00

CHECKS for Baggage—See "Baggage Checks."

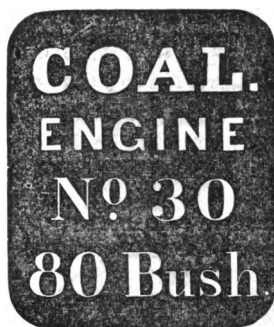
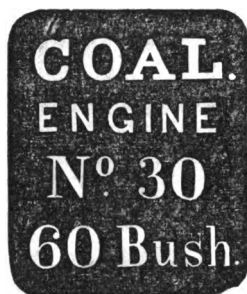
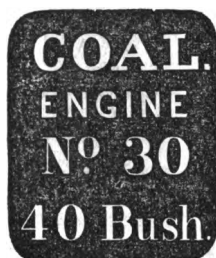
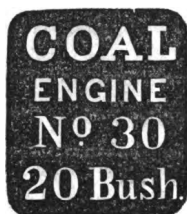
CHECKS FOR OIL, WOOD AND COAL, AND WASTE.

These Checks are intended to be used by Engineers, and will greatly facilitate the keeping of accounts, and economise in the consumption of Oil, Wood and Coal. See below.

PRICE \$2.00 PER HUNDRED.

When the name of the Engine is stamped on in place of the number, an extra charge of 15 cents per letter for the stamp will be made.

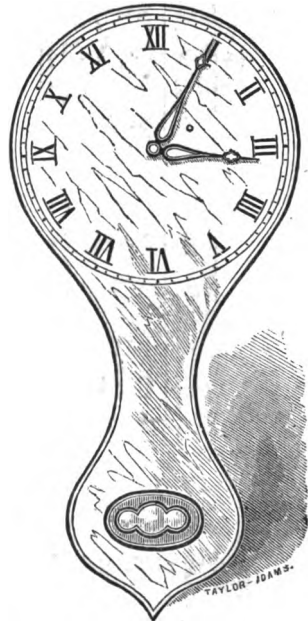
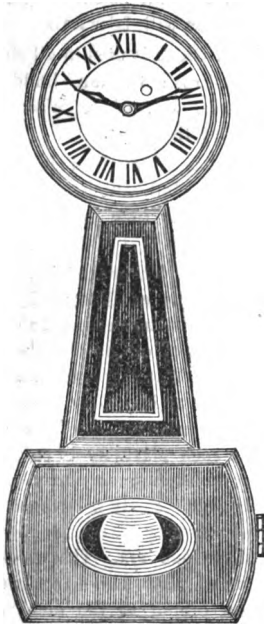




CHIMNEYS for Car Lamps, . . . per doz. \$0.75 to 1.25

“ Locomotive, “ . . . “ 1.50 to 2.00

CLOCKS for Locomotives,	. . . each,	\$25.00
" Marine,	. . . . . "	5.00 to 10.00
" Alarm,	. . . . . "	3.00 to 5.00



CLOCKS
FOR OFFICES AND DEPOTS.
 Warranted Best Regulators.

No. 1,	\$50.
12 inch Dial. 4 ft. 2 in. long, with Seconds Dial and Maintaining power.	
No. 2,	\$35.
10 inch Dial. 3 ft. 8 in. long.	
No. 3,	\$25.
9 inch Dial. 3 ft. 2 in. long.	
No. 4,	\$16.
8 inch Dial. 2 ft. 8 in. long.	

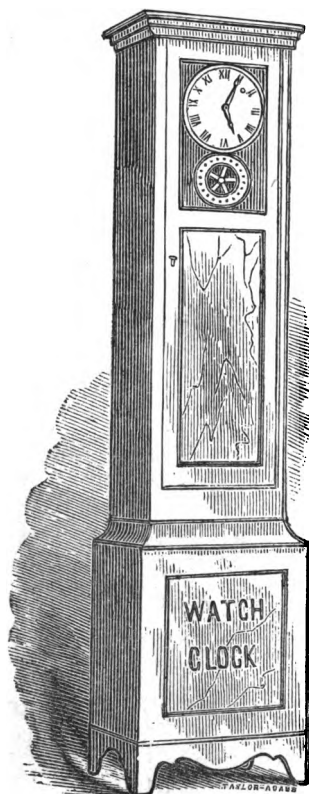
MARBLE DIALS FOR OFFICES, &C.

14 in. diameter, 31 in. long,	\$30.
16 " " 34 " " 35.	

MARBLE DIALS FOR BANKS AND HALLS.

17 in. diameter, 28 in. long,	\$50.
20 " " 33 " " 65.	
24 " " 41 " " 75.	
30 " " 59 " " 100.	
36 " " 63 " " 125.	

IMPROVED FACTORY AND RAILROAD STATION WATCH-CLOCK.




With this Watch-Clock, it is impossible for the Watchman to drive the Pins by stealth or fraud, if he should get the Clock Door open with false keys.

The Watch-Clock is used in all Manufactories, Railroad Station Buildings, Lumber Yards, &c., where Watchmen are kept during the night.

The Clock has a Time Dial (independent of the Pin Dial), which serves as a good regulator for time for the whole establishment.

The Clock should be placed in a room convenient for the exhibition of time; and wires and cranks run from the Clock to such rooms or places on the premises as you wish the Watchman to visit each half hour of the night. Care should be taken that the termination of the wires should be in such places as to cause the Watchman to explore as much of the premises as possible. It is necessary to visit all the rooms or places designed, in order to drive **ON** PIN. The Clock is so constructed, that fifteen or twenty minutes (according to the number of rooms that have to be visited), is allowed the Watchman to go over the building. With this Clock, the Watchman cannot fail to do his duty without detection.

 In ordering a Clock, please state the number of rooms or places you wish the Watch to visit each half hour.

PRICES OF WATCH-CLOCKS.

One Clock, for one Room.....	\$40.00
" " " two Rooms.....	45.00
" " " three ".....	50.00
" " " four ".....	55.00
" " " five ".....	60.00
" " " six ".....	65.00
" " " seven ".....	70.00
" " " eight ".....	75.00

HARRIS' TIME REGISTER AND INDICATOR.

The Register is very simple in its operation, yet perfectly correct, and not likely to get out of order.

PRICE LIST.

Clocks with 20 names,	.	.	.	\$50.00
" " 30 "	.	.	.	60.00
" " 40 "	.	.	.	65.00
" " 50 "	.	.	.	75.00
" " 60 "	.	.	.	90.00
" " 80 "	.	.	.	100.00

EVERY CLOCK WARRANTED.

COACH OR LAG SCREWS—

Put up in kegs of 150 pounds or more.

Length.		Size.					
$1\frac{1}{2}$	by	$\frac{5}{16}$	.	.	.	per 100,	\$1.50
$1\frac{3}{4}$	"	"	.	.	.	"	1.55
2	"	"	.	.	.	"	1.60
$2\frac{1}{4}$	"	"	.	.	.	"	1.66
$2\frac{1}{2}$	"	"	.	.	.	"	1.73
$2\frac{3}{4}$	"	"	.	.	.	"	1.80
3	"	"	.	.	.	"	1.87
$3\frac{1}{4}$	"	"	.	.	.	"	1.93
$3\frac{1}{2}$	"	"	.	.	.	"	2.00
$3\frac{3}{4}$	"	"	.	.	.	"	2.07
4	"	"	.	.	.	"	2.14
$1\frac{1}{2}$ inches and longer	by	$\frac{3}{8}$				per lb.	0.14
$1\frac{1}{4}$	"	"	"	"	$\frac{7}{16}$	"	0.12 $\frac{1}{2}$
$1\frac{1}{2}$	"	"	"	"	$\frac{1}{2}$	"	0.10 $\frac{1}{2}$
2	"	"	"	"	$\frac{9}{16}$	"	0.10 $\frac{1}{2}$
$2\frac{1}{4}$	"	"	"	"	$\frac{5}{8}$	"	0.10
3	"	"	"	"	$\frac{3}{4}$	"	0.09 $\frac{1}{2}$
4	"	"	"	"	$\frac{7}{8}$	"	0.09 $\frac{1}{2}$
6	"	"	"	"	1	"	0.09

COAL, for Locomotives and Shops.

We will furnish by the cargo or ton, at market prices.

COCKS —Gauge Cocks, . . .	per doz.	\$20.00 to 30.00
Heater “ . . .	“	40.00 to 45.00
Oil “ . . .	“	40.00 to 50.00
CONDUCTOR'S PUNCHES, . . .	per doz.	12.00 to 18.00
“ BADGES, . . .	“	2.25 to 3.00
COPPER —Sheet and Braziers', . . .	per lb.	0 28 to 0 33
Ingot, . . .	“	0 23 to 0 26
Old Cut, . . .	“	0 22 to 0 25
Old Sheathing, . . .	“	0 20 to 0 25
CORD and TASSELS, . . .	per doz.	1.50
COREING FLOUR for foundry use, per bbl.		4.00
COTTON FELTING, . . .	per lb.	0.20
CROW-BARS and SPIKE-BARS, per lb.		0.5½
“ Salisbury Iron, steel points, “		0.07
CRUCIBLES, BLACK-LEAD, . . .		0.3½ to 0.4½
CUPS —Oil Cups, . . .		8.00 to 25.00

D.

DOOR HOLDERS—Fry's Patent, per doz. \$3.00

DOOR KNOBS—Best White Porcelain, with
Plated Mouldings, . per doz. \$2.00 to 4.00

Best Colored Porcelain, . “ 2.50 to 4.50

Dark Mineral, . . “ 1.00 to 1.50

DRAW BARS—Wrought Iron, . per lb. 0.7½

Cast Iron, . . “ 0.04

DRILLS, for Rock Boring, . . per lb. 0.6¼ to 0.07

DRILLS—Upright and Horizontal, . each, 25.00 to 300.00

Ratchets. See “Ratchet Drills.”

DUCK, for Car Roofs, 100 inches wide, per yd. 1.25

All other widths, from 16 to 154 inches, 1¼ cents per inch.

DUCK, for Seats, . . . per yd. 0.25 to 0.50

DUSTERS—Feather, . . . per doz. 12.00

E.

ELECTROTYPING, done at the shortest notice.

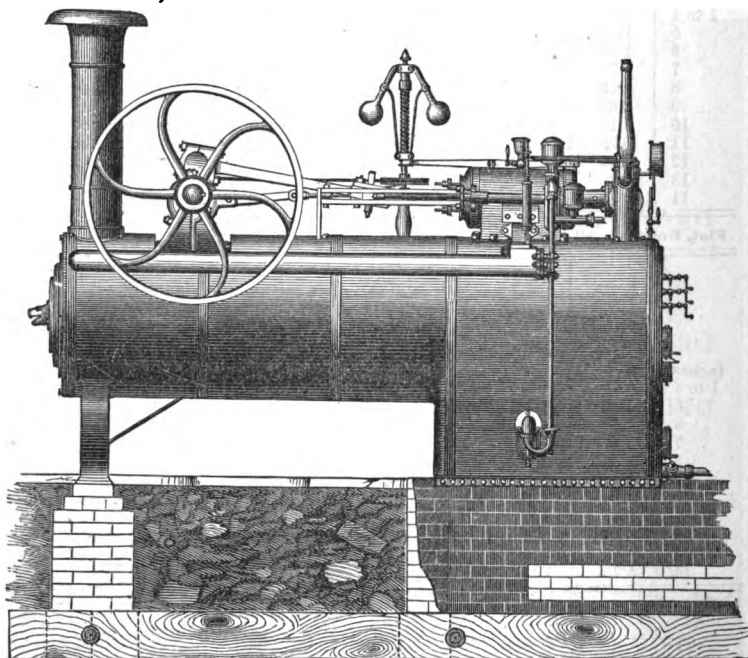
EMERY—Assorted Numbers, . per lb. \$0.08

EMERY CLOTH, best quality, per ream. 8.00

“ **PAPER**, “ “ “ 4.50

ENAMELED LEATHER CLOTH, per yd. 0.33 to 0.42

ENGINES, PORTABLE—



WATERS-TILTON

We can furnish a horizontal Engine from 3 to 20 horse power, at \$200 to \$1,500; also every description of Engine that may be required, either new or second hand.

EXCAVATORS for Grading, . . . each, \$150.00

EXPLOSIVE SIGNALS, . . . per doz. 1.50

F.

FELTING, . . . per ft. 0.06

FILES.**BEST WARRANTED ENGLISH CAST STEEL AT IMPORTERS PRICES.**

Half-round, Round 3-Square, 4-Square, 8 Inch, Horse Shoes, and Flat Rasps, Flat with One Round Edge, and Double Cut Mill Saw Files.

Inches.	Rough and Bastard.	2nd Cut and Half-round Gun-stock-ers' Rasps.	Smooth and Cabinet Files.	Inches.	Rough and Bastard.	2nd Cut and Half-round Gun-stock-ers' Rasps.	Smooth and Cabinet Files.
	Per dozen. \$ cts.	Per dozen. \$ cts.	Per dozen. \$ cts.		Per dozen. \$ cts.	Per dozen. \$ cts.	Per dozen. \$ cts.
1 to 4	1 04	1 30	1 44	1 to 15	8.00	9.00	10.00
5	1.25	1.50	1.69	16	9.50	10.75	12.00
6	1.50	1.75	2.00	17	11.00	12.75	14.50
7	1.75	2.13	2.38	18	13.00	15.00	17.00
8	2.13	2.63	2.88	19	15.00	17.50	20.00
9	2.63	3.13	3 38	20	17.00	20.25	23.00
10	3 13	3.63	4.00	21	20.00	23.25	26.80
11	3.75	4.50	5.00	22	22.50	26.00	29.00
12	4.63	5.50	6.13	23	26.25	29.00	32.00
13	5.38	6.50	7.50	24	30.00	35.00	35.50
14	6.50	7.50	8.50				

Flat, Entering, Mill Saw, Square 8 1-2 inch and upwards, Cotter Taper Points.

Inches.	Rough and Bastard.	2nd Cut and Gun-stock-ers' Rasps.	Smooth and Cabinet Files.	Inches.	Rough and Bastard.	2nd Cut and Gun-stock-ers' Rasps.	Smooth and Cabinet Files.
	Per dozen. \$ cts.	Per dozen. \$ cts.	Per dozen. \$ cts.		Per dozen. \$ cts.	Per dozen. \$ cts.	Per dozen. \$ cts.
1 to 4	1.00	1.19	1.38	1 to 15	7.13	8.50	9.00
5	1.16	1.34	1.54	16	8.63	10.00	11.00
6	1.38	1.54	1.88	17	10.25	11.75	13.50
7	1.67	1.88	2.30	18	12.00	14.25	16.00
8	2.00	2.38	2.71	19	13.75	16.75	18.50
9	2.44	2.88	3.13	20	15.75	19.25	21.25
10	2.94	3.44	3.70	21	18.00	21.75	24.00
11	3.44	4.13	4.38	22	20.76	24.50	26.75
12	4.12	5.00	5.25	23	23.50	26.25	29.50
13	4.88	6.00	6.50	24	26.25	29.00	32.25
14	5.75	7.00	7.50				

Hand, Pillar, Needle, Round-off, Bone Files, Pottance, Topping, and Flat with Two Round Edges.

Inches.	Rough and Bastard.	2nd Cut.	Smooth.	Inches.	Rough and Bastard.	2nd Cut.	Smooth.
	Per dozen. \$ cts.	Per dozen. \$ cts.	Per dozen. \$ cts.		Per dozen. \$ cts.	Per dozen. \$ cts.	Per dozen. \$ cts.
1 to 4	1.08	1.25	1.46	1 to 15	8.63	10.00	11.00
5	1.25	1.44	1.71	16	10.25	11.75	13.50
6	1.67	1.88	2.30	17	12.00	14.25	16.00
7	2.00	2.38	2.71	18	13.75	16.75	18.50
8	2.44	2.88	3.13	19	15.75	19.25	21.25
9	2.94	3.44	3.69	20	18.00	21.75	24.00
10	3.44	4.13	4.38	21	20.75	24.50	26.75
11	4.13	5.00	5.25	22	23.50	26.25	29.50
12	4.88	6.00	6 50	23	26.25	29.00	32.25
13	5.76	7.00	7.50	24	29.25	32.00	35.25
14	7.13	8.50	9.00				

FLAGS—White and Red, for Signals, each,	\$0.75
FLAGGING or BUNTING, . . . per yd.	0.50
FLOOR CLOTH, “	0.75 to 1.00
FLUID, per gal.	0.60

FORGES—**QUEEN'S PATENT PORTABLE FORGES WITH BELLOWS.**

The best in use for Blacksmiths, Machinists, Coppersmiths,
Jewellers, Chemists, &c.



The above engraving shows a few of the many different positions in which the Slides can be set, to protect the fire from wind or rain, in use out-doors, or for safety and other purposes in-doors.

No. 1 represents the Forge entirely closed; No. 2, as partly closed; No. 3, as open.

PRICES OF BLACKSMITHS' FORGES.

NOS.	DIAMETER.	HEIGHT.	WEIGHT.	PRICE.
0	1 ft. 8 in.	3 ft. 10 in.	85 lbs.	\$16.00
A	1 ft. 9 in.	3 ft. 10 in.	126 lbs.	\$20.00
1	2 feet.	4 ft. 4 in.	185 lbs.	\$25.00
1½	2 ft. 3 in.	4 ft. 4 in.	230 lbs.	\$30.00
2	2 ft. 6 in.	4 ft. 8 in.	325 lbs.	\$35.00
3	3 feet.	4 ft. 9 in.	437 lbs.	\$45.00

N. B.—The No. 0 Forges are made without slides for closing up, and without water trough.

FOUNDRY FACINGS, SAND, AND MATERIALS.

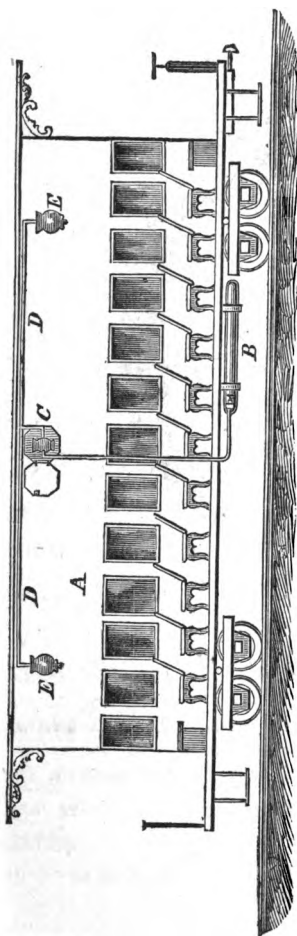
Prepared Facings,	. . .	per lb.	\$0.02½
Sea Coal	" . . .	per bbl.	2.00
Lehigh Coal	" . . .	"	2.50
Charcoal	" . . .	"	2.50
Soap-stone	" . . .	"	2.50
Fire Clay,	. . .	"	1.25
Moulding Sand,	. . .	"	1.00
Brass	" . . .	"	1.50
Ground Fire Clay,	. . .	"	1.50
Dry Loam (mixed for use,)	. . .	"	2.50
Coreing Flour,	. . .	"	4.00
Fire Sand,	. . .	"	1.25
German Black-Lead,	. . .	per lb.	0.07
Prepared	" . . .	"	0.03½
India Silvered	" . . .	"	0.10½
Ground Fire Brick,	. . .	per bbl.	2.50
Ivory Black,	. . .	"	5.00
Stove Polish, (Dixon's,)	. . .	per lb.	0.05

FROGS—Cast to pattern, . . . each \$25.00 to 42.00

FROGS—Flanders' Portable Frog, for replacing cars on the track, the cheapest and most effective article in use, per pair, . . . \$50.00

G.

GAS FOR CARS—



This cut represents the interior of a car, with the gas apparatus in practical operation. After the holder "B" is filled, the gas passes through the regulator "C," in the pipe "D," to the burners "E, E."

This process of "Lighting Railroad Cars with Gas" is both perfectly simple and safe, and works entirely satisfactory in every place where it is in operation. We are happy to give reference to the New-Jersey Railroad and Transportation Co.; Camden and Amboy Railroad Co.; Philadelphia and Reading Railroad Co.; and Ferry Boats at Philadelphia, one of which is lighted with twenty burners. This apparatus has proven itself to be perfectly successful in every particular.

By the use of this apparatus, a direct saving is effected of **FULLY TWO-THIRDS** of the present cost of light.

Moreover, the destruction to Car Furniture and Trimmings, and the liability of injury to the Clothing of Passengers, by the Leakage and Drippings of Oil or Candles, is entirely obviated.

THE LIGHT IS CLEAR AND BRILLIANT, enabling persons to read with ease in any part of the Car.

Gas is condensed into wrought iron cylinders, which are fastened underneath each car, and conveyed inside by tubes.

The even flow of Gas is obtained by a Patent Regulator.

The Head Lamps on the Locomotives are Lighted with Gas.

The apparatus is perfectly simple, and being made of iron throughout, when a car is rendered useless by wear,

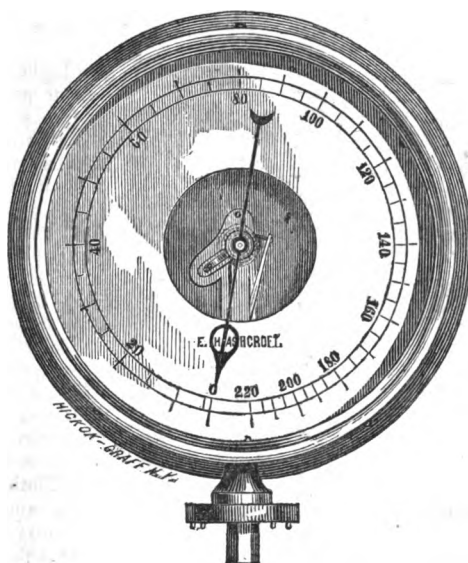
it can be changed and put upon a new car, thus kept in continual use for a lifetime, without the least danger of getting out of order.

For further particulars address, Low & Burgess.

GASKETS India Rubber, . . . per lb. \$0.60

GAUGES—Steam Guages.

ASHCROFT'S NEW IMPROVED STEAM GAUGE.

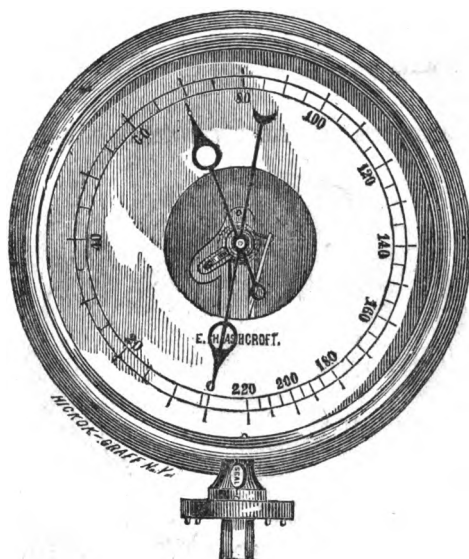


PRICES.

6 inch dial, Iron Case, . . . each \$18.00

6 inch dial, Brass " . . . " 20.00

The old style of Ashcroft Gauge, with Rack and
Pinion, from . . . \$10.00 to 20.00

ASHCROFT'S IMPROVED STEAM GAUGE, WITH MAXIMUM HAND.

This Gauge is the most simple, durable, and reliable now in use, and the least liable to get out of order. It has a chain movement, which is far superior to the Rack and Pinion. The chain plays around a barrel, and the bearing is equal upon every part, which makes the working of the Gauge perfectly steady and accurate. The spring is a cast steel volute, nicely tempered. Motion is imparted to it by a connecting rod, which rests upon an elastic Disc, protected by an India Rubber diaphragm.

The maximum hand shows the maximum or greatest amount of pressure used ; and a Superintendent or Master Mechanic can always determine if too much steam has been used, so as to strain the boiler.

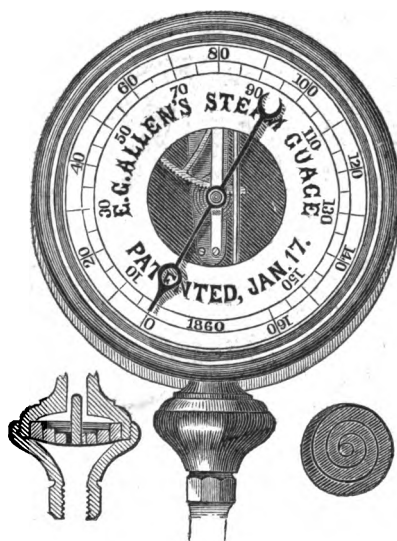
The seal at the bottom protects the index from being tampered with.

PRICES.

With Maximum Hand, 7 in. Dial, Iron Case, each,	\$22.00
“ “ “ “ “ Brass “ “	25.00

GAUGES—

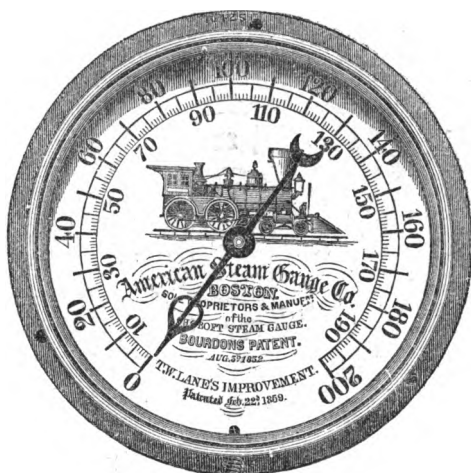
ALLEN'S, AND NATIONAL STEAM GAUGE CO.



No. 1—	5½	inch Dial, Iron Back,	.	.	\$12.00
"	—5½	" " Brass Case,	.	.	16.00
No. 2—	6¾	" " Iron Back,	.	.	17.00
"	—6¾	" " Brass Case,	.	.	25.00
No. 3—	7¾	" " " "	.	.	28.00
No. 4—	8½	" " " "	.	.	40.00

GAUGES—


AMERICAN STEAM GAUGE COMPANY.



PRICES.

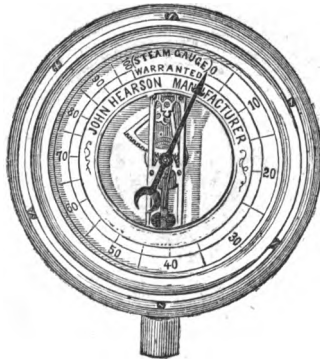
No. 1—Common Finish, Brass Case,	. . . . .	\$40.00
“ 2—Brass Case, 6 $\frac{3}{4}$ inch open or close dial,	. . . . .	25.00
“ 3—Iron Case, 1 $\frac{3}{4}$ inch open or close dial,	. . . . .	22.00
“ 4—Brass Case, 6 inch open or close dial,	. . . . .	25.00
“ 5—Iron Case, 6 inch close dial,	. . . . .	17.00
“ 6—Iron Case, 5 $\frac{1}{2}$ inch close dial,	. . . . .	15.00

Gauges made to order, marked to any number of pounds pressure desired.

 Any party ordering Gauges should have them marked to *double* the number of pounds of Steam they wish to carry.

GAUGES—

HEARSON'S STEAM GAUGE.



PRICES

FOR HIGH PRESSURE, LOW PRESSURE, AND VACUUM GAUGES.

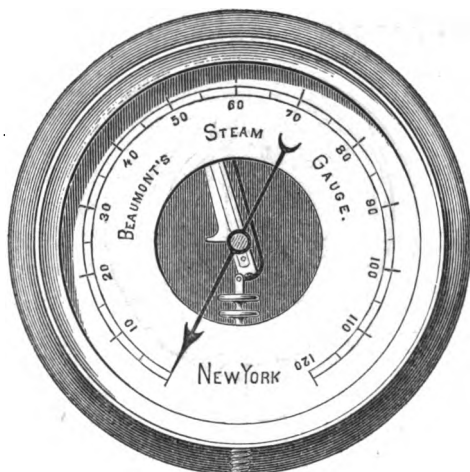
Solid Face, 6½ in. Dial,	.	.	.	.	\$15.00
“ “ 8 “ “	.	.	.	.	16.00
Open “ 5 “ “	.	.	.	.	15.00
“ “ 6½ “ “	.	.	.	.	17.00
“ “ 8 “ “	.	.	.	.	20.00

Extra large, according to finish & size, from \$25.00 to 50.00

EASTMAN'S STEAM GAUGE.

8 inch Dial, Iron Case,	16.00
8 “ “ Brass Case,	20.00

BEAUMONT'S STEAM GAUGE.



PRICES.

SMALL SIZE—5½ INCHES DIAL—Hand eccentric.

No. 1—Iron case, bronzed ring, closed face,	\$10.00
“ 2—“ “ brass ring, open face,	12.00
“ 3—Brass case, open face,	16.00
“ 4—Silver plated, engraved dial,	20.00

MEDIUM SIZE—6¾ INCHES DIAL—Hand eccentric.

No. 5—Iron case, brass ring, closed face, for Locomotive,	\$15.00
No. 6—Iron case, brass ring, open face, for Locomotive,	17.00
No. 7—Brass case, closed face, for Locomotive,	20.00
No. 8—“ “ open “ “ “	22.00

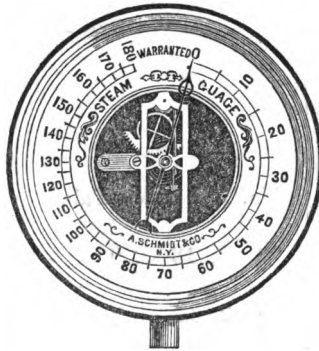
MEDIUM SIZE—6¾ INCHES DIAL—Hand at the centre.

No. 9—Iron case, brass ring, open face,	18.00
No. 10—Brass case, open face,	23.00
No. 11—Silver plated, engraved dial,	28.00
Test Gauge	40.00
Pump	30.00
Barometer, light brass case, 4½ in. in diameter, 2 in. deep,	5.00

Every Gauge sold is WARRANTED, and in the improbable event of its getting out of order, within a reasonable time, will be repaired or exchanged, free of charge.

GAUGES—

SCHMIDT'S STEAM GAUGE.

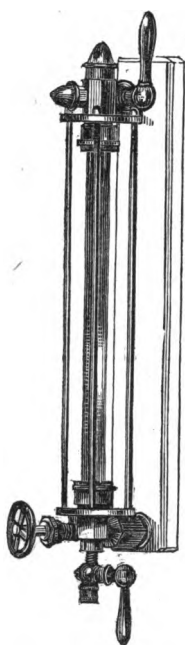


6 inch Solid Face Brass Back,	.	.	.	\$14.00
6 " Open " " "	.	.	.	15.00
7 " " " " "	.	.	.	16.00
9 " " " " "	.	.	.	20.00

GAUGES, Water—

Ashcroft's Magnetic, . . . each, \$15.00 to 25.00

GAUGES, Water, for High or Low Pressure Boilers—



No. 1, 11 inch Tube,	.	.	.	\$12.50
" 2, 13 "	.	.	.	15.00
" 3, 15 "	.	.	.	17.50
" 4, 18 "	.	.	.	20.00

GAUGE COCKS—Ashcroft's Patent Self Clearing Gauge Cock.

This is so arranged that it clears all sediment from the opening, upon being operated, and prevents any incrustation.

Price	.	.	.	.	.	per doz.	\$18.00
"	.	.	.	.	.	"	21.00
"	.	.	.	.	.	"	24.00

GAUGES for Hydraulic Presses, made to order, from 1,000 to 15,000 lbs. pressure. Price from . . \$30.00 to 50.00

GLASS—Best French Plate, for Cars—

All sizes,	per box,	\$5.00 to 12.00
Ruby,	per sq. ft.	0.60
Blue,	“	0.65
Green,	“	0.50
GLUE—Best, for Car Builders	per lb.	0.25
Common,	“	0.12½
GREASE, for Car Boxes,	“	0.08
for Machinery,	“	0.05
GRINDSTONES,	“	0.02 to 0.03

II .

HAIR—Best Curled Hair,	per lb.	0.32 to 0.40
Muscan,	“	0.20
HAIR CLOTH, Black, 21 in. wide,	per yd.	0.75
“ “ 24 “ “	“	1.00
“ Grey, 21 “ “	“	1.00
“ “ 24 “ “	“	1.25

HAMMERS for Engineers, all sizes.

“ **WILLARD'S PATENT STEAM HAMMER,**
the most approved, and economical in use.

HARDWARE of every description.

HAT RACKS, or Brackets, Brass, new pattern, per doz. \$10.00

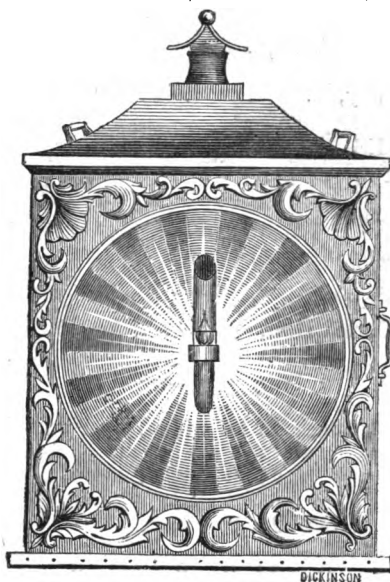
“ “ “ “ plain, per doz. 5.00

“ HOOKS, “ 2.50 to 5.00

HATCHETS, “ 9.00 to 15.00

HEAD LIGHTS of the most approved patterns, for Locomotives and Steamships; also Steam and Canal-boats.

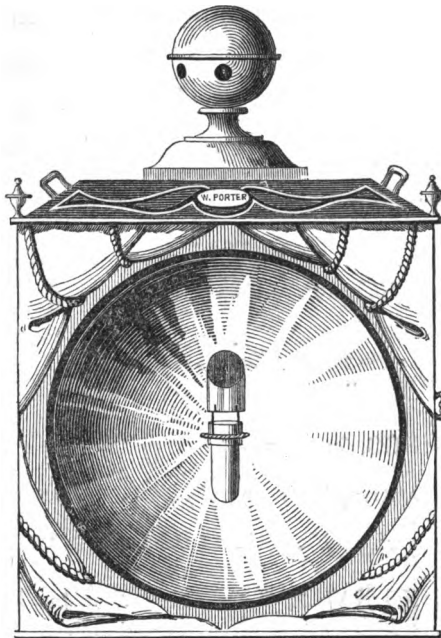
WILLIAMS' PATENT.



18 Inch Reflector,	.	.	.	.	.	\$60.00
20 “ “	.	.	.	.	.	70.00
21 “ “	.	.	.	.	.	80.00
22 “ “	.	.	.	.	.	85.00
23 “ “	.	.	.	.	.	90.00

HEAD LIGHTS—

PORTER'S.



18 Inch Reflector,	.	.	.	.	.	\$55.00
22 " "	.	.	.	.	.	65.00

HEAD LIGHTS—

RADLEY AND HUNTER'S

18 Inch Reflector,	.	.	.	.	.	\$70.00
20 " "	.	.	.	.	.	80.00
22 " "	.	.	.	.	.	85.00
24 " "	.	.	.	.	.	90.00

HEAD LIGHTS—

KELLY & Cos.

21 Inch Reflector,	.	.	.	.	.	\$65.00
22 " "	.	.	.	.	.	70.00
23 " "	.	.	.	.	.	75.00
24 " "	.	.	.	.	.	80.00

HEAD LIGHTS—

OLCOTT'S

20 Inch Reflector,	.	.	.	.	.	\$75.00
22 " "	.	.	.	.	.	85.00
24 " "	.	.	.	.	.	90.00

HEAD LININGS, for Cars—

Best Patterns, Plain and Gilt,	.	per sq. yd.	0.75
" " Flocked and Bronzed,	" "		0.87

HEAD LINING NAILS, . . . per 100, 0.15

HORSE SHOES made of the best American Refined
Iron, . . . per lb. 0.06

HOSE, Leather Hose, Engine size, . per ft. 0.60 to 0.65

INDIA RUBBER AND GUTTA PERCHA HOSE.

HOSE—2 Ply, Conducting. Suitable only for light Conducting purposes, and will not be warranted if under pressure.

$\frac{3}{4}$ in. inside diameter, p. ft.	0.19	4 in. inside diameter, p. ft.	0.70
1 " " " "	0.22	5 " " " "	0.85
$1\frac{1}{4}$ " " " "	0.25	6 " " " "	1.00
$1\frac{1}{2}$ " " " "	0.28	7 " " " "	1.17
$1\frac{3}{4}$ " " " "	0.33	8 " " " "	1.33
2 " " " "	0.37	9 " " " "	1.50
3 " " " "	0.53	10 " " " "	1.65

HOSE—3 Ply Hydrant.

Warranted to stand a pressure of 75 lbs. per square inch.

$\frac{1}{2}$ inch, . . . per ft.	\$0.20	$1\frac{1}{2}$ inch, . . . per ft.	\$0.33
$\frac{3}{4}$ " . . . "	0.22	$1\frac{3}{4}$ " . . . "	0.40
$\frac{7}{8}$ " . . . "	0.23	2 " . . . "	0.45
1 " . . . "	0.27	3 " . . . "	0.70
$1\frac{1}{4}$ " . . . "	0.30		

HOSE—4 Ply Locomotive and Fire Engine.

Warranted to stand a pressure of 175 lbs. per square inch.

$1\frac{3}{4}$ inch, . . . per ft.	\$0.50	$2\frac{3}{4}$ inch, . . . per ft.	\$0.70
2 " . . . "	0.55	3 " . . . "	0.75
$2\frac{1}{4}$ " . . . "	0.60	N. York Croton Hose, p. ft.	0.23
$2\frac{1}{2}$ " . . . "	0.65		

HOSE—5 Ply Steam.

$1\frac{1}{4}$ in. inside diameter, p. ft.	0.62	$2\frac{3}{4}$ in. inside diameter, p. ft.	0.88
2 " " " "	0.70	3 " " " "	0.94
$2\frac{1}{4}$ " " " "	0.75	$3\frac{1}{4}$ " " " "	1.06
$2\frac{1}{2}$ " " " "	0.82	4 " " " "	1.20

HOSE of any size and strength made to order—also,

SUCTION HOSE for Fire Engines, and other purposes.

The above HOSE has great advantages over leather, as it needs no oiling, is perfectly tight, will stand a very high degree of heat without injury, and is not affected by the severest cold.

I.

INDIA-RUBBER GOODS of every description, such as Belting, Buckets, Hose, Springs, &c., &c. For prices, refer to the article.

IRON, Pig, Scotch, and American—

Gartsherrie,	per ton	\$28.00 to 30.00
Glengarnock,	"	26.00 to 34.00
Coltness,	"	25.00 to 30.00
Crane,	"	25.00 to 30.00
Poughkeepsie,	"	25.00 to 30.00
Salisbury, for Car Wheels, . .	"	38.00 to 40.00

IRON, Refined Bar and Sheets—

Stitts and Bagnal's,	"	65.00 to 70.00
Peru,	"	
Norway,	per lb.	

IRON—Hammered Iron and shapes, " 0.07 to 0.08

Common English,	per ton	50.00 to 55.00
Angle, best "	per lb.	0.03 to 0.04
Boiler and Flue Sheets,	"	0.06 to 0.08
English, "	"	0.03 to 0.05
Russian, "	"	0.11 to 0.15
American, "	"	0.05 to 0.06½
Galvanized, for Roofing,	"	0.10 to 0.15

IRON, RAILROAD—

American, Lackawanna, Phenix, &c.,	per ton,	48.00 to 60.00
English, of various brands,	"	45.00 to 56.00

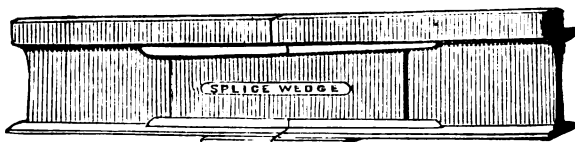
NOTE.—Iron is constantly changing in the market; but all orders for that material will be selected with care, and the lowest market prices charged.

IRON--

BEERS' CAST IRON ENDLESS RAIL

FOR CITY RAILROADS. PATENTED IN THE UNITED STATES AND EUROPE.

A LONGITUDINAL ELEVATION.



This Track is composed of a succession of inflexible iron beams, with a wide base resting on the gravel, keyed to each other at the joints, and held in place by the pavement and its own weight.

This Track is laid in Paved Streets, without Tie or String-piece.

When the pavement of a street has become settled, it will afford the most reliable principle, or guide to hold in line and place the imbedded rail. In such case the tie would be superfluous.

METHOD OF LAYING THE TRACK.

Trenches will be opened in the pavement, some 18 inches wide, and 8 inches deep; the bottom of the trench compacted by the use of the rammer where necessary, in which will be firmly placed, at the ends and in the centre of each rail a block of yellow pine plank some 9 by 16 inches surface, or a thin cast iron plate of similar breadth, laid crosswise of the track, and the residue of the trench brought up firmly under the base of the rail, by the head of the tamping bar, the splice-wedges driven in, the gravel replaced, and compacted around the rail, and the pavement closed in by a competent paver; after which no repairs will be required until the rail is actually worn out. But where the street is not paved, ties and spikes will be substituted for the plank blocks.

The effect of frost, by this arrangement, is entirely neutralized, as it respects upheaval, from the similarity of the character, and depth of the foundation on which the pavement and rail respectively rest, and is laid with *close joints*, as embedded iron will never reach a temperature exceeding fifty degrees, or fall below twenty in extreme cold.

The cast iron rail will form a much more perfect track than the plans now in use, as the splice wedge (see engraving,) will prevent the possibility of any jolt, at the joint, by securing perfect continuity of rail, without bolts, spikes, chairs, or anything else requiring renewal, or repairs. The bracket shown in the figure, is placed at each end, and along the rail at distances of 2 feet, to give additional strength to the wagon track of the rail.

The Iron Road can be laid down without interrupting the travel of the street, as a small portion only of the pavement will be disturbed, and when down, it will wear as long as two or three successive structures of wood; and when worn out will be worth 50 per cent. of the first cost for old iron.

DIMENSIONS OF RAIL.—Depth 6½ inches; base 4 inches; length 12 feet, with a tread or face, of such form as may be desired.

Weight of rail, from 80 to 100 pounds per yard. The cost per mile, for repairs and relays, will be reduced from \$800 to \$1,000 yearly, in favor of the iron plan, as contrasted with the Philadelphia style of track, [interest being charged on disbursements, from date.]

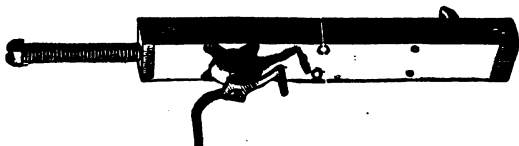
First cost, from \$6,000 to \$8,000 per mile.

This Track is now in use on several roads, with unqualified approbation.

JACK SCREWS—

PRICES OF

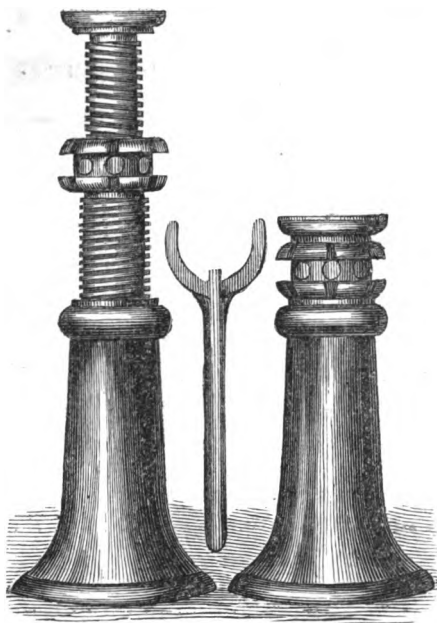
. BALLARD'S PATENT JACK SCREWS.



1 Large Size Claw'd Jack Screws,	. . . . .	\$50.00
2 Middle " " " "	. . . . .	40.00
3 Third " " " "	Comp. Box and Wheels,	25.00
" " " " " "	" " " "	23.00
4 Fourth " " " "	Railroad, Iron Wheels,	18.00
5 Small " " " "	Comp. Wheels,	20.00
Middling Size Railroad, no Claw,	. . . . .	26.00
Cotton Jack Screw, 4 feet,	. . . . .	35.00
" " " 3 "	. . . . .	30.00
Middling Size " 3 "	. . . . .	26.00
Timber Jacks, Comp. Box and Wheels,	. . . . .	25.00
" " riveted, Iron Wheels,	. . . . .	23.00
" " not riveted, "	. . . . .	20.00
Sugar Jack Screws, Comp. Wheels, riveted,	. . . . .	23.00
" " " Iron Wheels,	. . . . .	20.00
Planking Jack Screws, longest 3 ft. 6 and 4 ft., riveted,	. . . . .	25.00
" " 3 ft. 3 and 3 ft., "	. . . . .	23.00
" " 3 ft. 2 and 2 ft. 9,	. . . . .	20.00
" " Iron Wheels, over 3 ft.	. . . . .	18.00
" " . . . . .	. . . . .	16.00
Small Railroad, Comp. Box and Wheel,	. . . . .	14.00
" " Iron Wheels,	. . . . .	14.00
" " " . . . . .	. . . . .	10.00
Iron Clamp Screws, from	. . . . .	\$9.00 to 25.00
Bed and Block Screws.		-
Second-Hand Jack Screws.		

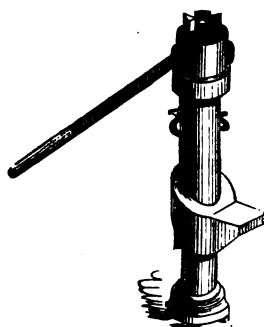
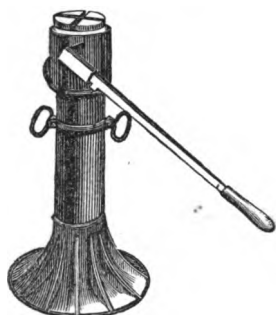
JACK SCREWS—

BALL'S PATENT WROUGHT IRON JACK SCREWS.



No. 1.	8in. Stand	12in. Screw.	9in. Net Rise	17in. Whole Length.	Price, \$10
No. 2.	12in. "	20in. "	17in. " "	30in. " "	" 16
No. 3.	16in. "	28in. "	24in. " "	40in. " "	" 18
No. 4.	20in. "	36in. "	33in. " "	56in. " "	" 20

JACKS—

DUDGEON'S PATENT PORTABLE HYDRAULIC

For Raising Heavy Weights, Stone, Timber, Boilers, Locomotives, Cars, Stowing Cotton, Pulling, Proving Chains and Ropes, Setting up Rigging, &c.

SIZES AND PRICES.

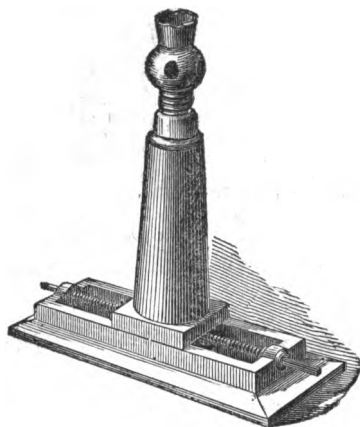
Jack to lift 7 tons and run out 12 inches.....							\$60 00
"	"	4	"	"	24	"	75.00
"	"	10	"	"	12	"	80 00
"	"	15	"	"	12	"	100.00
"	"	30	"	"	9	"	150.90
"	"	60	"	"	9	"	250 00
"	"	90	"	"	7	"	350.00
"	"	4	"	"	12	" and lift from the ground.....	60.00
"	"	4	"	"	24	" " "	65.00
"	"	7	"	"	12	" " "	85.00
"	"	7	"	"	24	" " "	90.00
"	"	7	"	"	12	" " "	100.00
"	"	15	"	"	12	" " "	150.00
"	"	10	"	"	12	with wide base for Locomotive shops..	95.00
"	"	15	"	"	12	" " " " ..	125.00
"	"	to pull 6	"	"	12	" " " " ..	150.00
"	"	15	"	"	23	" " " " ..	350.00

JACKS—**ALLEN'S WROUGHT IRON RAILROAD RATCHET**

Lifting Jack, 18 inches long,	.	per pair,	\$70.00
" " 24 " "	.	"	90.00
" " 36 " "	.	"	120.00
Carrying Jack,	.	each,	95.00

JACKS—

CARRYING JACKS, for adjusting cars on track, made of Wrought Iron and Brass, will lift 25 Tons.



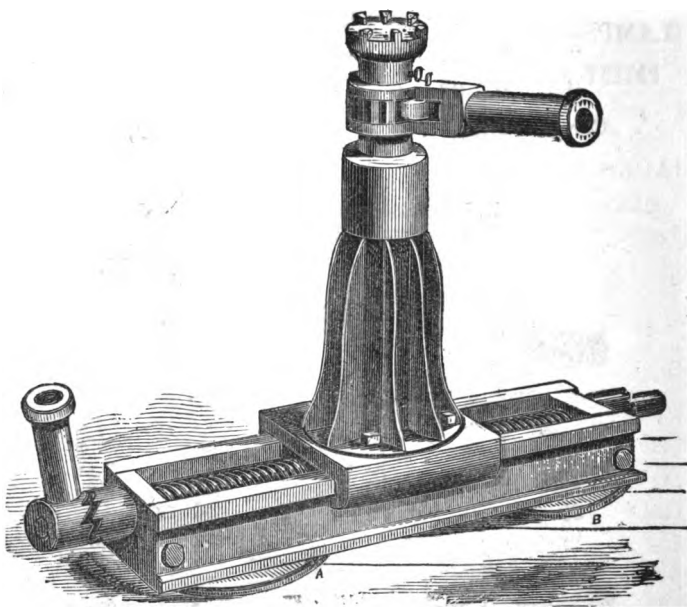
Like the above cut we can sell at \$55 each.

JACKS—**LEFFELS' PATENT WROUGHT IRON****HOISTING AND TRACK JACK.**

No. 1—Wrought Iron Track Jack,	.	.	.	.	\$16.00
No. 2— " " " "	.	.	.	.	12.00
Nos. 1, 2, 3 and 4—Wrought Iron Hoisting Jacks,	\$8,	10,	12,	16	
Stone Cutters,	.	.	.	.	\$16 and 20

JACKS—

BURROUGHS' RATCHET,



Lifting Jacks, 12 inches long,	per pair,	\$55.00
" " 18 " " "		60.00
" " 24 " " "		65.00
" " 36 " " "		75.00
Carrying,	. . . "	140.00
Tender,	. . . "	\$25.00 to 50.00

K.

KNOBS, for Doors and Locks—(See Door Knobs.)

L.

LACING LEATHER, per side, \$1.75

LAMPS—

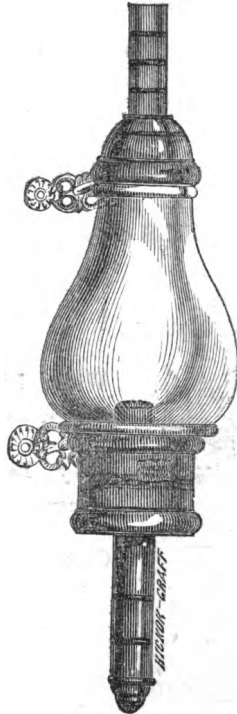
PATENT KEROSENE CAR LAMP.



The above Lamp will burn Kerosene and Coal Oils in Cars, without being affected by draft or motion, giving a clear and brilliant light, and at a cost not exceeding one-half cent per hour. One of these Lamps will light a Car equal to two of the ordinary kind.

Price, . . per doz. \$48.00

CANDLE CAR LAMP.



The above cut represents a new style of Candle Lamp we are manufacturing, and which gives general satisfaction wherever used, being the cheapest and best Lamps of the kind ever made.

Price, . . per doz. \$45.00

LAMPS, CANDLE, of all other manufactories, we furnish.

Price, per doz. \$40.00 to 54.00

LAMPS for Cars, with Reflectors, " 28.00 to 30.00

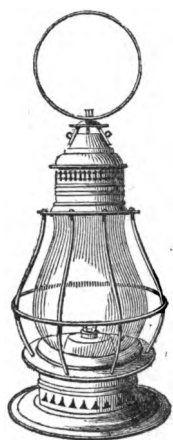
Ship, with Reflectors, for Oil, per doz. 48.00

Shop, " 6.00

LAMP CANOPIES, Plated, . " 15.00

" CHIMNEYS, . . . " 1.25

LANTERNS of every variety and style—



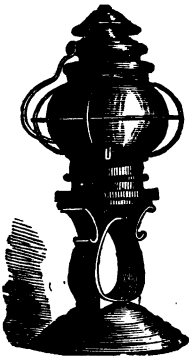
White Lanterns, Japanned and Tin Mount
ings, per doz. \$6.00 to 10.00

Ruby Lanterns, Japanned, and Tin Mount-
ings, per doz. \$20.00 to 24.00

Green Lanterns, Japanned and Tin Mount-
ings, per doz. \$12.00 to 14.00

The above Lantern can be furnished of any particular pattern, with the initials of the Railroad stamped or engraved on the glass.

LANTERNS—

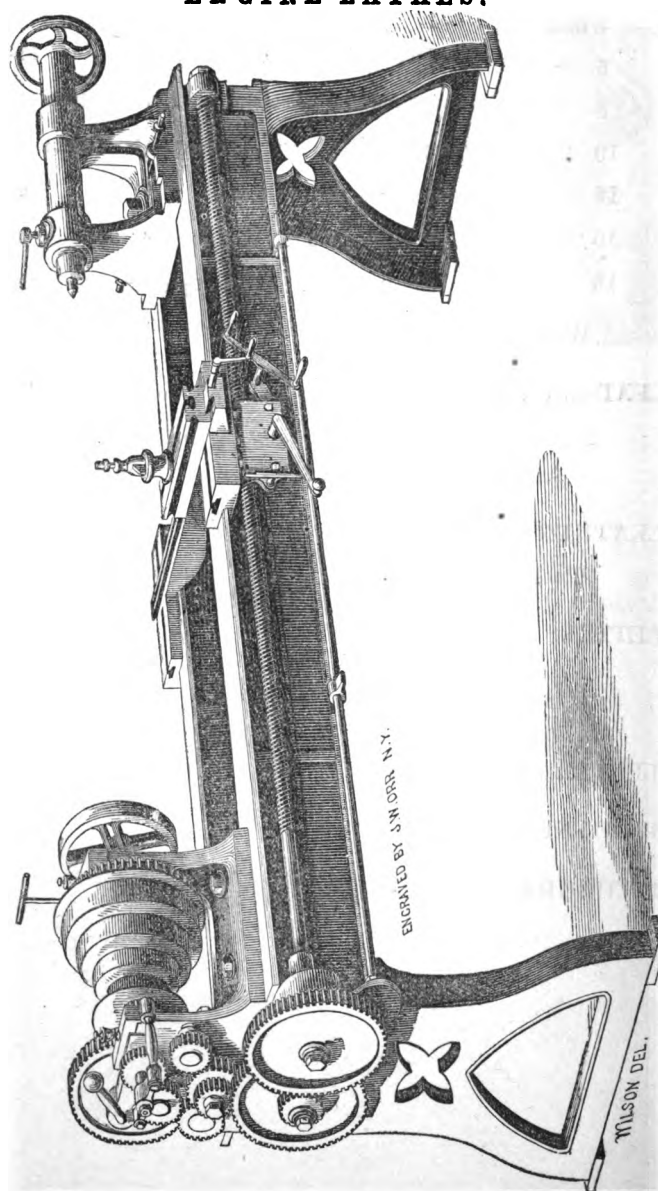


Conductor's Arm Lantern, each,	\$3.50
Brass Conductor's Lanterns, per doz.	\$12.00 to 15.00
Fancy " " engraved, each,	3.00 to 3.50
Fresnel Lens, Red or Green, "	6.00
" " White, . . . "	5.00
" Police, . . . per doz.	12.00

LANTERN GLOBES to pattern, . per doz. \$4.50

LATHES—

ENGINE LATHES.



PRICES OF ENGINE LATHES.

Length of Way.	Swing.	Turn.	Weight.	Price.
4 feet,	18 inches,	1 ft. 10 in.	1,000	\$135.00
5 "	18 "	2 " 8 "	1,200	160.00
8 "	20 "	5 " 3 "	1,800	210.00
10 "	22 "	7 " 4 "	2,600	236.00
12 "	24 "	9 " 4 "	3,650	280.00
16 "	32 "	12 "	5,800	575.00
16 "	40 "	11 "	7,500	800.00

We can furnish intermediate sizes as may be required.

LEAD—Spanish Pig,	.	.	.	per lb.	\$0.06 to	0.07
Bar,	.	.	.	.	"	0.07
Sheet,	.	.	.	.	"	0.08

LEATHER CLOTH for Car Seats—Colors,	0.40 to	0.60
Black, per yard,		0.32

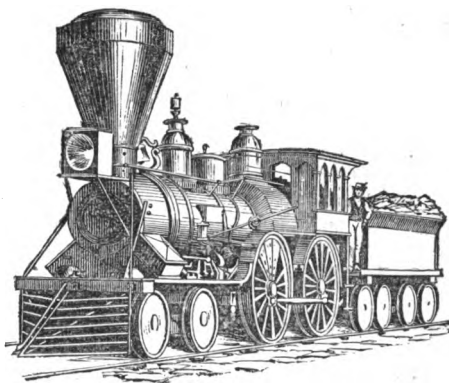
LETTERS for Moulders, as ordered.

"	"	Locomotive Signs of Brass, 5 letters,	7.00
		each succeeding Letter, \$2.00 extra.	

LETTER PRESSES for Offices,	.	.	each,	7.00 to	10.00
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LIGHTNER'S, Boxes.

LITHOGRAPHING done in any style, at short notice.

LOCOMOTIVES—FROM THE BEST MANUFACTURERS.

Specifications and contracts furnished for any size and style required for burning *Wood* or *Coal*.

Second Hand Locomotives for sale at low prices.

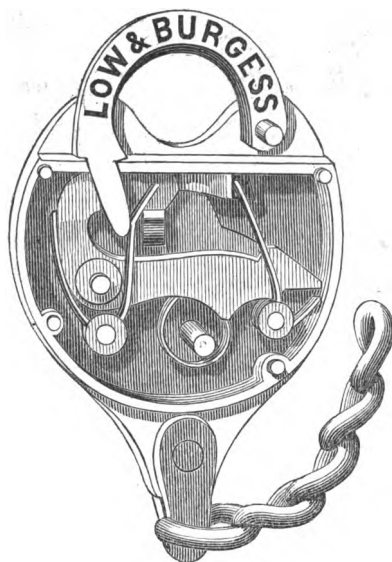
LOCOMOTIVE HEAD LIGHTS—(See Head Lights.)

.

LOCKS—Car Door, with escutcheons,	per doz.	\$9.00
“ “ for saloons,	“	7.00
“ “ Rim Locks, com. key,	“	9.00
“ “ “ “ bronzed key,	“	11.00
“ “ “ “ brass	“	18.00
“ “ “ “ plated	“	24.00

LOCKS—

CAR AND SWITCH.



Warranted to be the best in use.

Each Lock has a chain attached, and the initials of the Road stamped upon lock and key, without extra charge.

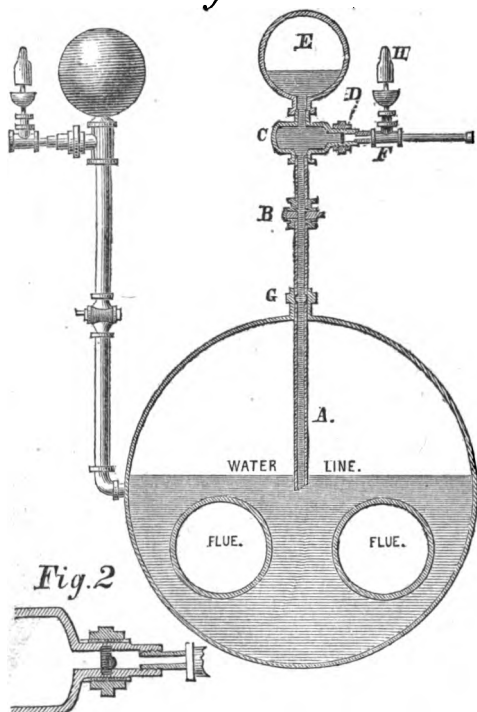
Locks made to conform to a pattern key if desired.

Spring Lever to keyhole, with keys,	per doz.	\$12.00
Plain “ “ “ “	“	11.00
Spring “ “ without keys,	“	11.00
Plain “ “ “ “	“	10.25

LOOKING GLASSES, according to size and Shapes.

LOW WATER DETECTOR—For Preventing Explosions of
Steam Boilers. Price, \$40.00

Fig. I



E, an air chamber;
C, a chamber furnished with a union joint, in which D, a disc of fusible alloy is secured and made to close the opening F; B, a cock, and G, a coupling by which the tube A is attached to the boiler; H, an alarm whistle.

Fig. 2



The above cuts represent the manner of connecting the Detector to both Tubular and Flue Boilers. That operation being simply to bore a hole at the point of connection, as shown in the cuts, for the admission of the coupling G, passing the pipe through until the end reaches the line upon which is usually placed the lower Gauge Cock, and attaching the whole firmly by the coupling. When attached to the side or front of a boiler, a nipple and elbow is used.

The operation of this apparatus is as follows:

After the boiler has been filled to the water-line, and put in action, the pressure of the steam forces the water up through the instrument into the air-chamber, compressing the air therein and filling this chamber to a greater or less extent, according to the pressure. There being no circulation through the apparatus, so long as the lower end of the tube remains *under* water, that part of the column above the cock B will be of a comparatively low temperature, and the disc D will remain solid. But whenever the water in the boiler falls *below* the end of the tube, the steam immediately displaces the water in it, and melts the fusible disc, and rushing out, through the opening F, gives notice through the whistle that the water is falling to a dangerous point. To replace a disc, open the cock cautiously until the water reaches the opening at the top, then shut the cock, and when the water above it has become cool, the disc may be replaced with safety, and the cock fully opened.

LUMBER—

Southern and White Pine, White Wood, Ash, Oak, Bay Wood, Rose Wood, and Mahogany, &c.

M.**MACHINERY OF EVERY DESCRIPTION.**

We are prepared to contract to furnish Shops at the lowest rates, also to give Specifications for any Machine of peculiar construction to be manufactured.

MACHINES—Mortising,

“ Tenoning.

“ **DICK'S ANTI-FRICTION** for Shearing,
Punching, and Swaging Metals.

MANOMETERS,

MARLINE,

MATCH SCRAPERS, . . . per doz. \$3.00

MATS, Coir, for Office or Cars, . . . “ 4.50 to 6.00

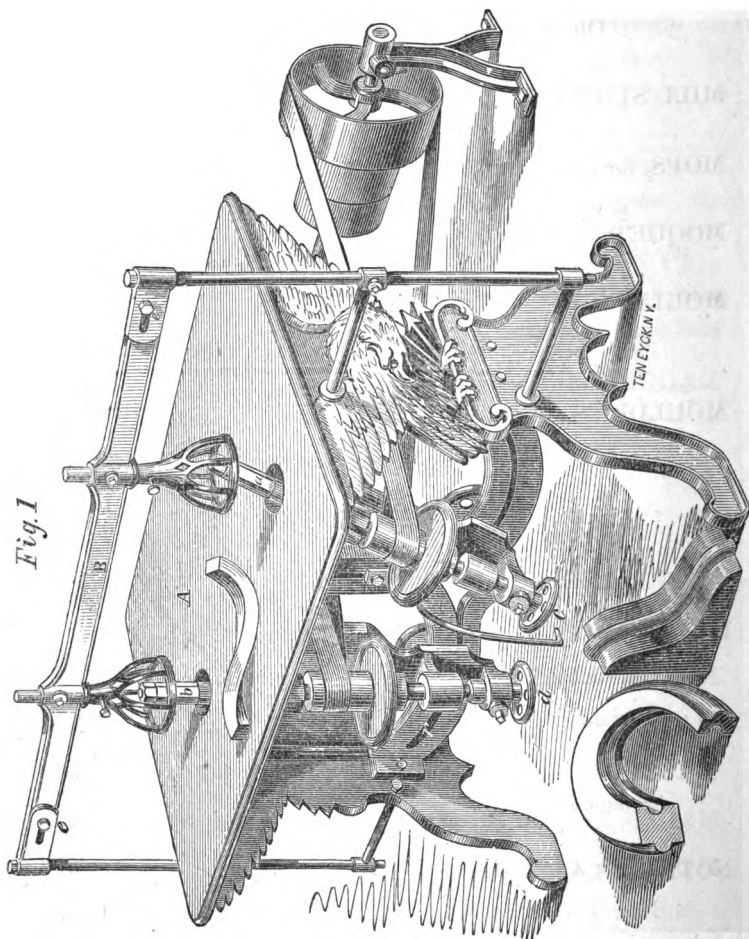
MATTING, Coir, for Office or Cars, per yd. 0.50

MAULS, for Spike Driving, . . . per lb. 0.07 to 0.7½

METAL for Journal Boxes, cast to pattern, per lb. 0.20

NOTE.—This is the best article in use for Car Boxes, being 20 per cent. lighter, 10 cents per lb. cheaper, and warranted to last as long as the best Brass or Composition.

EAGLE MOULDING MACHINE.



We are now prepared to offer for sale to the public a newly invented and superior Machine, designed for Cutting all the various Regular and Irregular Forms required in wood.

An indispensable Machine, for saving labor in Carpenter Shops and Machine Shops, for Pattern Makers, Piano Forte and all Cabinet Work, for Manufacturers of Cars, Carriages, Sashes, Blinds, Picture Frames, and Agricultural Implements, Wheelwrights, Block-makers, and Shipjoiners—in fact, all workers of Wood.

This Machine is calculated to perform work that can be done by no other Machine now in use, combining all the advantages of all other Machines capable of Cutting Straight Mouldings, and also the most Irregular Forms and Warp Surfaces.

The Machine will do the work of 30 or 40 men, and better even than can be done by hand labor.

Price, \$100 to \$225, including the right to use the same.

METAL—Phenix Babbitt's Metal, . per lb. \$0.25 to 0.40

“ Old Metals taken in exchange for new.

MILL STONES, per lb. 0.02 to 0.03

MOPS, for Cars and Depots.

MOQUET, $1\frac{3}{4}$ to $2\frac{1}{2}$ yards wide, . 3.75 to 4.50

MOULDINGS—Of all sizes, and the very best patterns.

Gilt, Rose Wood, Mahogany and Oak, per ft. 0.03 to 0.18

MOULDER'S BRUSHES, . . per doz. 3.00

N.

NAILS of best brands, cut, . . per keg, \$3.50 to 3.75

Wrought Nails, . . per lb. $0.5\frac{1}{4}$

Finishing “ . . “ 0.08

Tufting “ . . per gro. 0.75

Enamelled Tufting Nails, . “ 0.62

NOTICE PLATES, Brass, . . each, 1.00 to 1.50

Porcelain, . “ 2.50 to 3.50

N U T S .

Best Wrought Iron, in kegs, 150 lbs. each size, as ordered.

Size Square.	Thickness.	Diam. of Hole.	For Bolts.	Price FOUR SQUARE.		Price SIX SQUARE.	
				per lb.	cts.	per lb.	cts.
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{7}{32}$	$\frac{1}{4}$				
$\frac{5}{8}$	$\frac{5}{16}$	$\frac{9}{32}$	$\frac{5}{16}$	"	"	"	"
$\frac{3}{4}$	$\frac{3}{8}$	$\frac{11}{32}$	$\frac{3}{8}$	"	"	"	"
$\frac{7}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{7}{16}$	"	"	"	"
1	$\frac{1}{2}$	$\frac{7}{16}$	$\frac{1}{2}$	}			
$1\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{9}{16}$				
$1\frac{1}{4}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$				
$1\frac{1}{2}$	$\frac{5}{8}$	$\frac{9}{16}$	$\frac{5}{8}$				
$1\frac{1}{2}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$				
$1\frac{1}{2}$	$\frac{3}{4}$	$\frac{11}{16}$	$\frac{3}{4}$				
$1\frac{3}{4}$	$\frac{7}{8}$	$\frac{13}{16}$	$\frac{7}{8}$				
2	1	$\frac{7}{8}$	1	}	6 $\frac{1}{2}$ "	" 9 "	
2	$1\frac{1}{4}$	1	$1\frac{1}{8}$				
$2\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{16}$	$1\frac{1}{4}$				
$2\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{3}{16}$	$1\frac{3}{8}$				
3	$1\frac{1}{2}$	$1\frac{3}{8}$	$1\frac{5}{8}$				
4	2	$1\frac{1}{2}$	2				

O.

OIL for Burning and Lubricating—

The market is fluctuating, but we are prepared to furnish any quantity required, and warrant it a *pure article*, and at the lowest market price.

Winter Sperm Oil,	per gal.	\$1.50 to 1.60
“ Whale “ Bleached,	“	0.70 to 0.80
“ Elephant Oil,	“	0.80 to 0.90
“ Lard “	“	0.90 to 1.00
Parrifine Lubricating Oil,	“	0.95 to 1.00
Mason’s Oil,	“	1.13
Coburn’s Tallow Oil,	“	1.15 to 1.25
Kerosene “	“	0.95
Columbian,	“	0.85
Excelsior,	“	0.85
OIL—Raw Linseed,	“	0.64 to 0.68
Boiled “	“	0.70 to 0.75
Paint	“	0.37 to 0.42

OILERS—Hayden & Saunders’ Patent, per doz. 24.00 to 48.00

OILERS—Van Hagen’s Patent, 12.00 to 18.00

Squirt Cans, 2.50

We can furnish any pattern or make required.

P.

PACKING—

“	Russia Hemp,	.	.	per lb.	\$0.16 to 0.18
“	Italian “	.	.	“	0.18 to 0.20
“	Flax,	.	.	“	0.20 to 0.25
“	Cotton,	.	.	“	0.15 to 0.18
“	India Rubber, or Gum,	.		“	0.50
“	“ “ mixed or Fibrous,			“	0.40
“	Tuck’s Patent Piston Packing,			“	0.75

PADLOCKS, for Cars and Switches. (See under head of Locks.)

PAINTS, of all description and colors, we can furnish at the lowest prices.

Mineral and Water-Proof, for Car

Roofs,	per lb.	\$0.02½
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PICKS, Steel-pointed, . . . “ \$0.06½ to 0.07

PIPE for Water Stations—

CAST-IRON.

2	3	4	5	6	7	8	10	12	inches diameter.
23	32	41	50	59	77	90	1.20	1.40	per foot.

“ WROUGHT IRON for Steam, Gas and Water, proved to pressure of 300 lbs. to square inch.

$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4
6	7	8	9	12	16	24	29	45	81	1.17	1.44	1.70

“ Elbows and Couplings for attaching the above.

EARTHEN PIPE.

2	3	4	5	6	7	8	9	12	15	18	inch diameter.
8	10	12 $\frac{1}{2}$	15	20	25	30	40	55	80	1.12 $\frac{1}{2}$	per foot.

“ Lead, any size, . . . per lb. \$8.08

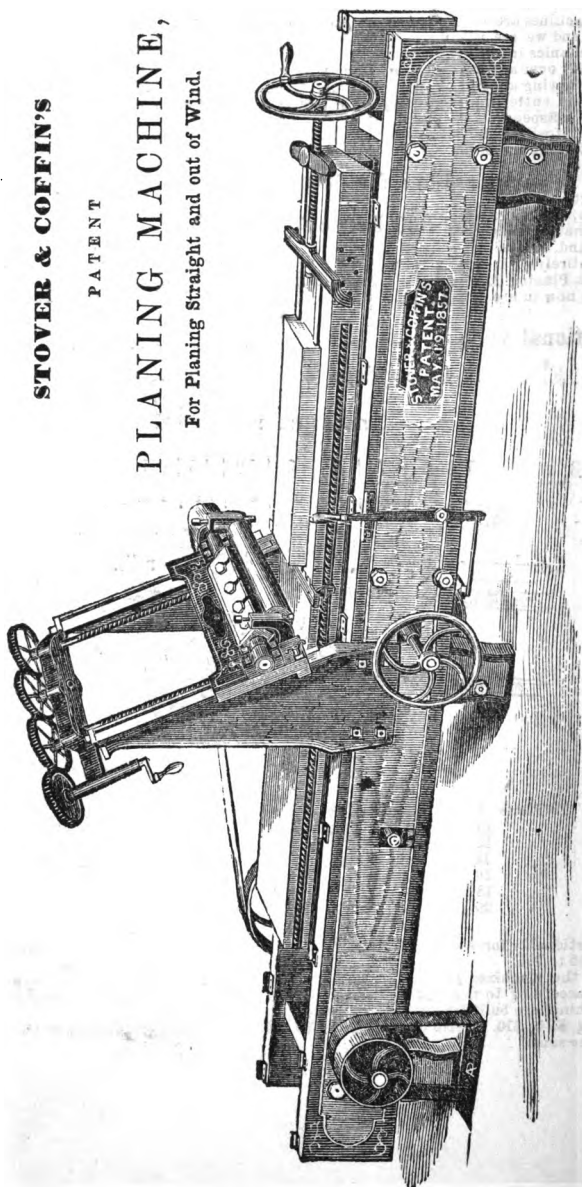
PLANERS, for Iron and Wood, of all descriptions.

STOVER & COFFIN'S

PATENT

PLANING MACHINE,

For Planing Straight and out of Wind.



This Planer works with Cylindrical Revolving Cutters, like the cutters used in the celebrated Woodworth Machines, and are designed principally for planing straight and out of wind, making a complete combination of all the Planing Machines now in use. These Machines are now being rapidly introduced throughout the United States and Europe, and we are now prepared to give the testimony of many of the most respectable Mechanics in the country, who have given them the most successful trial, for their superiority over any Planing Machine now in use.

The following are among the advantages of this Machine over any other:

First, the cutter-head is so constructed as to form a complete heel or double iron, which is indispensable for planing cross-grained hard or soft wood.

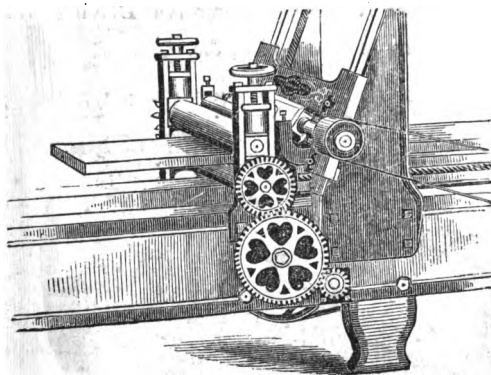
Second, it will plane three times as fast as any other Machine now in use which planes straight and out of wind, and leaves the surface smoother, and the corners perfectly square.

Third, the dorging arrangement is so constructed, that with one motion you can do any length stuff firmly to the pattern.

Fourth, much less time is required to keep the cutter in order.

Fifth, having a Machine in all respects adapted for surfacing and planing straight and out of wind, and being much more compact and simple in its arrangement, and being made entirely of iron above the platten, it is not affected by the weather. Any one wishing a Planing Machine has but to see this to see its superiority over any other Machine now in use.

Sectional view of the Planer, with Feed Rolls attached.



PRICES.

To Plane	8 feet long, 20 in. wide,	\$210,	24 in. wide,	\$240.00
"	10 " " " " "	230,	" "	260.00
"	12 " " " " "	250,	" "	280.00
"	14 " " " " "	266,	" "	296.00
"	16 " " " " "	282,	" "	318.00
"	18 " " " " "	298,	" "	328.00
"	20 " " " " "	312,	" "	344.00

Proportionably for every additional foot in length. Cost of Feed Rolls, when ordered, \$40 to \$75.

When the Machines are ordered to be belted, an extra charge will be made for belting, according to the cost of belting. Fifteen dollars extra will be charged when the Machines are built for two driving belts on cylinders.

Boxing, \$5 to \$10. Extra Cutters, \$5 to \$6 per set. These prices include the right to use the same.

PLUSHES—Plain, Crimson, Scarlet,

Green or Drab	.	per yd.	\$1.24 to 1.50
Figured Crimson,	.		
Scarlet, Green, or Drab,	"		1.00 to 1.25
Printed,	"		2.00 to 2.38

PRESSES—**HYDROSTATIC PRESS.**

This is particularly adapted for pressing on or taking off Car Wheels, Locomotive Driving Wheels, and putting in chank pins, &c.

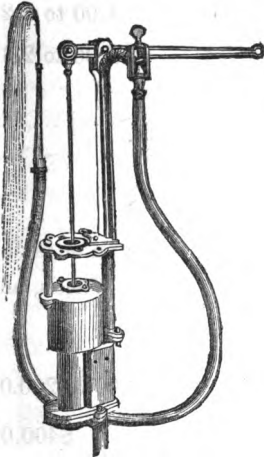
"	Lever Wheel Presses,	.	.	\$200.00 to 250.00
"	Power Presses,	.	.	\$400.00

PUMPS—

WEST'S IMPROVED PUMP.

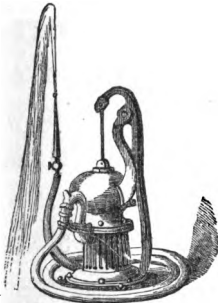
DOUBLE-ACTING, ANTI-FREEZING, LIFTING AND FORCING.

WELL OR YARD PUMP—



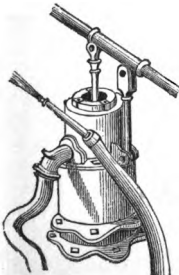
3 inch Cylinder, 1½ pipe, 1 inch hose, discharge 20 galls. per minute,	\$18.00
4 inch Cylinder, 1½ pipe, 1½ inch hose, discharge 30 galls. per minute,	25.00

HOUSE OR INSIDE PUMP—



3 inch Cylinder, 1½ pipe, 1 inch hose, discharge 20 galls. per minute,	\$20.00
2 inch Cylinder, ¾ pipe, ¾ inch hose, discharge 6 galls. per minute,	12.00

RAILROAD PUMP, (for hand or power.)

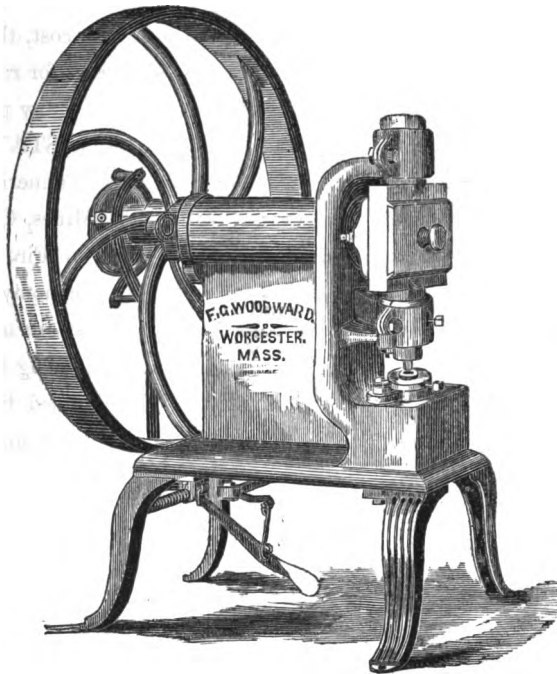


2 in. Cylinder, 3 in. stroke, ½ pipe, ½ hose, 6 galls. per min.	\$12.00
3 " 5 " 1½ " 1 " 20 " "	20.00
4 " 6 " 1½ " 1½ " 30 " "	35.00
6 " 6 " 2½ " 2 " 60 " "	60.00
8 " 12" [power] 3 " 3 " 150 " "	125.00

CARY'S ROTARY FORCE PUMP.

Adapted to any and all situations, unlimited in power, certain in action, permanent in use, and withal so low in cost, that they are the first, and among the permanent machines for raising or forcing water. The following are a few of the many purposes to which this Pump is applied, viz.:—RAILROAD STATIONS, Steamers, Vessels, Manufactories, Paper Mills, Tanneries, Distilleries, Drainage and Irrigation, Cofferdams, Mines, Quarries, Dry Docks; and is, especially, the most powerful Fire Engine known. They are unrivalled in the world for Economy, Durability and Simplicity, freedom from liability to get out of order, and the largest results from the power applied; being the *first and only* Rotary Pump whereby a result is obtained from the first motion; raising and forcing water with power and effect at from 30 to 120 revolutions per minute.

No. 1, Domestic Pump,	.	.	.	each,	\$35.00
" 1, Hand	"	.	.	"	38.00
" 1, Power,	"	.	.	"	50.00
" 2, "	"	.	.	"	115.00
" 2½, "	"	.	.	"	225.00
" 3, "	"	.	.	"	300.00

PUNCHES—**WOODWARD'S IMPROVED PUNCHING MACHINES,**

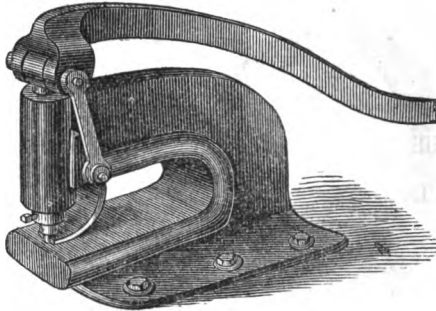
Of various sizes and power, adapted to every kind of Cutting and Punching of Metals, in every variety of form.

Particularly adapted to the making of Nuts and Washers, and to the use of Boiler Makers, Agricultural Machine Manufacturers, RAILROAD REPAIR SHOPS, &c., &c.

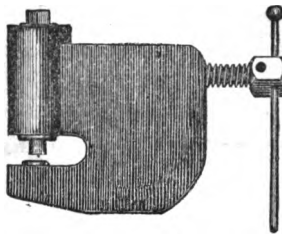
At prices varying from \$100, upwards.

N. B. Orders should state particularly the kind of work for which the Machines are wanted.

PUNCHES—

TOM THUMB PUNCH.

For simplicity and effectiveness, is universally admitted by those who have used it, to be superior to any in use. The application of power is the same as in the Rail Punch previously described. It will punch a round or square hole from one-eighth to three-eighths inches in diameter, in a plate of iron from one-sixteenth to one-fourth inch thick, and nine inches from the edge. It is warranted in every particular. Price, \$80.00.

DUDGEON'S PATENT PORTABLE HYDRAULIC PUNCH.

The above cut represents one of Dudgeon's Patent Portable Hydraulic Punches or Presses, for Punching or Shearing Iron, Die Sinking and other purposes, where, with a limited movement, great power is required.

Presses of this kind, weighing only about 60 lbs., and made of best cast steel, with the power of one man exerted on a lever one foot in length, will give a pressure of thirty tons.

These Presses are simple in their construction, being used entirely without valves, or the force pump in common use in all other Hydraulic Presses.

The Punch represented by the above cut for punching through $\frac{1}{4}$ inch Boiler Iron, a hole $\frac{1}{2}$ inch in diameter, with one man to work it, will do as much work as can be done by two men with a common Hand Screw Punch, besides being applicable in many places where a Screw-Punch could not be used. Price, \$72.00.

PUNCHES, for Railroad Iron, \$150.00

PULLEYS AND HANGERS.

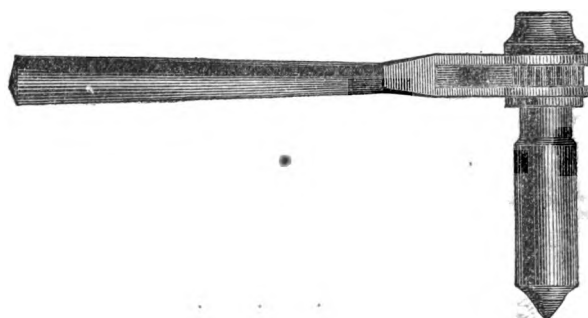
R.

RAILROAD IRON STRAIGHTENERS,

Williston's Patent, each, \$75.00

RATCHET DRILLS—

PACKER'S PATENT.



This is the best drill ever offered to the public, and will prove more durable, and give better satisfaction than any in use. It is so constructed that the screw is entirely protected from dust, so that it can never get out of order.

Every drill is manufactured in the best manner, with Steel, Screw and Ratchet, warranted perfect in every respect.

PRICES.

No. 1, 10 inch handle,	. . . .	each,	\$7.50
" 2, 12 " "	. . . .	"	9.50
" 3, 14 " "	. . . .	"	10.50
" 4, 17 " "	. . . .	"	12.50
" 5, 20 " "	. . . .	"	15.00

One Drill will fit any size.

ROOFING—**GUTTA PERCHA CEMENT.**

This article has been thoroughly tested in New-York, Brooklyn, and many of the Southern and Western States, by Builders, Architects and others, and the experience of years has proved it to be the Cheapest and most Durable Roofing in use, and has fully demonstrated the fact, that a Composition Roofing can be made which will answer, in every respect, the end desired—a Fire, Water, Weather and Time-proof covering for Roofs of all kinds—and at the same time be entirely free from the many objectionable features of nearly all the materials heretofore used for roofing purposes.

The materials of which it is composed, combine every requisite for a practically imperishable Roof, which will withstand sudden and frequent changes of any climate, for many years, without sustaining injury.

PRICES.—Roofing all ready prepared for application, $3\frac{1}{2}$ cents. per square foot.

We would call attention to the following facts :

1st.—It is Fire and Water-proof.

2d.—From its great elasticity it is not injuriously affected by extremes of heat or cold.

• 3d.—It is adapted to all kinds of roofs, whether Steep or Flat, and is not in want of constant repairs, as is the case with metal and other roofs.

4th.—The cost is only about one-half that of Tin, and twice as durable.

No heat is required in making application.

This material forms a perfectly Water-tight Roof as soon as applied, (which is not the case with the generality of Composition Roofs, it being necessary with them to apply two or three coats of paint, and wait four or five days for each coat to dry, thus occasioning a great loss of time, and unnecessary labor and expense.)

Therefore, its advantages as a covering for Cars, Steamboat decks, and all roofs subject to being walked upon, and other hard usages, are obvious.

It is readily applied to Old Shingle Roofs, without removing the shingles, which is a great desideratum to parties who do not wish to risk having their ceilings and furniture ruined, while repairs are being made. Gutters can be formed of this material, thus saving the expense of metal ones.

ROPE, Manilla,	.	.	.	.	per lb.	\$0.09 to 0.11
Cotton,	.	.	.	.	"	0.20
Wire,	.	.	.	.	"

We will furnish any size and kind at the lowest market price.

S.

SAFES—



FIRE-PROOF DESK-SAFE!

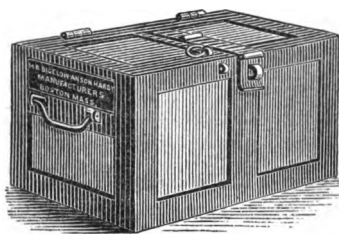
Price, . . . each, \$200.00



OFFICE-SAFES,

ALL SIZES.

Price, each, \$75 to 300.



Express Messengers' Safes, with Burglar-Proof Locks, all sizes. Price, . . . each, \$25.00 to 50.00

Conductors' Safes, all sizes, . . . " 20.00 to 35.00

SAFETY-FUSE, per 100 ft. \$3.00

SAND for Moulding, per bbl. 1.00

SAND-PAPER, per ream, \$1.75 to 2.75

SASH FASTENERS—

Page's, per doz. \$1.50

Robinson's, " 1.50

Double Action, " 2.50

Safford's, " 1.00

SASH LIFTS—

" Shield Pattern, . . per gross, \$5.00

" Small Leaf, " 3.50

" Large " " 4.00

SASH BUTTONS, \$5.00 to 6.00

" Adjusters, Safford's Patent, . per doz. 1.00

SAWS—

WARRANTED EXTRA CAST STEEL CIRCULAR SAWS.

HARDENED, TEMPERED, AND PATENT-GROUND.

PRICE LIST.

Diam.	Price.	Diam.	Price.	Diam.	Price.	Diam.	Price.
4 inch,	\$0 75	20 inch,	\$6 00	42 inch,	\$36 00	64 inch,	\$230 00
5 "	1 00	22 "	7 00	44 "	43 00	66 "	255 00
6 "	1 17	24 "	8 00	46 "	50 00	68 "	285 00
7 "	1 33	26 "	9 33	48 "	60 00	70 "	310 00
8 "	1 58	28 "	11 00	50 "	70 00	72 "	335 00
9 "	1 83	30 "	12 67	52 "	84 00	74 "	375 00
10 "	2 17	32 "	14 67	54 "	100 00	76 "	470 00
12 "	2 67	34 "	17 33	56 "	125 00	78 "	530 00
14 "	3 33	36 "	20 00	58 "	150 00	80 "	620 00
16 "	4 00	38 "	25 00	60 "	175 00		
18 "	5 00	40 "	30 00	62 "	200 00		

Circular Saws to cut metal or ivory, double price.

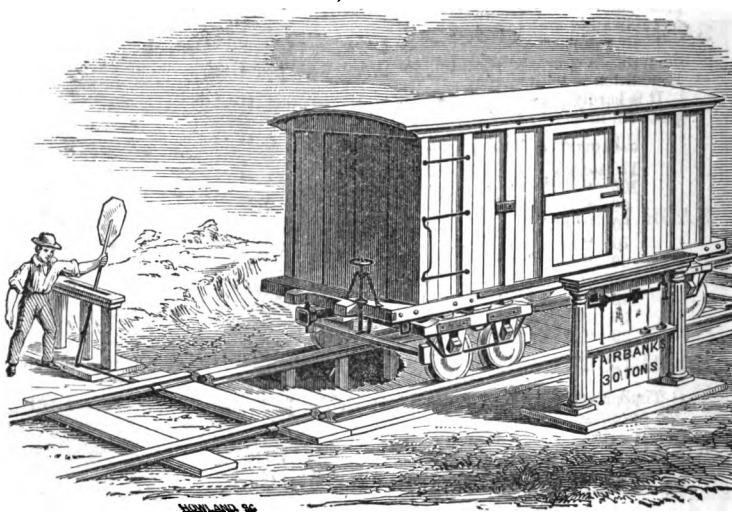
Do. made concave, do.

Do. thicker than usual gauge are charged at an extra price.

Circular Saws to cut railroad iron, made to order.

SCALES—

FAIRBANKS' RAILROAD TRACK SCALES.



CAPACITY.	LENGTH OF PLATFORM.	DESCRIPTION OF SCALE.	PRICE.
150 Tons,	130 feet,	Iron Frame, requiring no vault,	\$2,500
100 "	107 "	" " " "	2,000
75 "	96 "	" " " "	1,800
60 "	61 "	" " " "	1,000
50 "	42 "	" " " "	800
30 "	33 "	" " " "	700
30 "	33 "	Trussed Levers, requiring vault,	600
20 "	23 "	" " " "	400
18 "	16 "	" " " "	300
10 "	12 "	" " " "	200

SCALES—

HOWE'S IMPROVED RAILROAD TRACK SCALES.

The Howe's Improved Weighing Scales are very simple and reliable. Their principal advantages are as follows:—Great simplicity of construction. Perfect reliability under the severest tests.

Their compactness enables them to be used without the construction of a deep pit; a great desideratum where the ground will not admit of drainage; in addition to which much expense is saved.

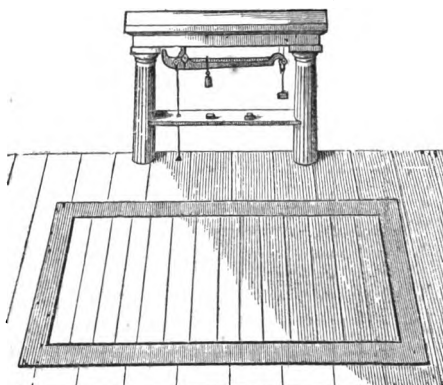
It is hardly possible for these Scales to get out of order; no jarring of the platform in any way affects the working part of the Scale.

CAPACITY.	LENGTH OF PLATFORM.	PRICE.
110 tons.	112 feet.	\$1,600
100 "	102 "	1,450
90 "	92 "	1,325
80 "	82 "	1,150
70 "	72 "	1,000
60 "	61 "	900
50 "	52 "	775
40 "	42 "	650
30 "	32 "	525
20 "	20 "	400
16 "	16 "	325
10 "	12 "	250

Timber work and foundation for any of the above Scales, to be furnished by the purchaser.

SCALES—

RAILROAD DEPOT SCALES.



CAPACITY.	SIZE OF PLATFORM.	PRICE.
6 tons.	9 by 10 feet,	\$200.00
4 "	7 by 9 "	175.00

SCALES, PORTABLE DEPOT, on wheels, each, 60.00
 SCALE DESTROYING POWDER, . per lb. 0.85

PRICE LIST OF BRASS SCREWS.

		Inches.	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	3
No.	2.	Ct. per gross.	47	48										
"	3.	" "	47	48										
"	4.	" "	49	50	52									
"	5.	" "	52	52	54	54	56							
"	6.	" "	55	55	57	58	60							
"	7.	" "	59	60	62	63	67	72						
"	8.	" "	63	64	66	69	74	76	100					
"	9.	" "	69	69	73	75	82	92	112	130				
"	10.	" "	75	76	78	84	92	109	123	144	156			
"	11.	" "	..	85	87	93	102	124	138	157	175			
"	12.	" "	..	97	99	106	116	140	154	173	192	220		
"	13.	" "	..	..	108	122	131	156	172	195	222	251		
"	14.	" "	..	..	124	143	146	172	194	221	252	283	313	
"	15.	" "	..	..	144	162	164	189	220	252	284	315	344	
"	16.	" "	..	..	166	184	189	204	248	288	317	344	371	450
"	17.	" "	..	..	.....	.....	200	220	280	329	347	374	416	
"	18.	" "	..	..	.....	.....	220	240	320	373	376	416	462	546
"	20.	" "	..	..	.....	.....	.....	280	416	432	445	464	561	692
"	22.	" "	..	..	.....	.....	.....	.....	.....	512	556	600	664	840

BRASS CAPPED SCREWS—ROUND AND FLAT HEADS.

Inches.		$\frac{3}{4}$	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	2	$2\frac{1}{4}$	$2\frac{1}{2}$	3
No. 7.	Cts. per gross.	57	63	58						
" 8.	" "	62	70	73	94					
" 9.	" "	68	78	87	105					
" 10.	" "	75	87	102	116	135	150			
" 11.	" "	82	97	117	129	147	164			
" 12.	" "	90	109	132	144	162	179	207		
" 13.	" "	....	123	147	162	183	213	235		
" 14.	" "	....	138	162	182	207	237	266	294	
" 15.	" "	....	154	177	207	237	266	295	323	
" 16.	" "	....	....	192	233	270	295	322	247	422
" 17.	" "	....	....	....	263	308	325	353	390	512
" 18.	" "	....	....	....	....	351	355	390	438	658
" 20.	" "	....	....	....	....	....	....	....	526	788

PRICE LIST OF IRON SCREWS.

No.	Inches.	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	1	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3	3 $\frac{1}{2}$	4
4.	Chs. per gross.	16	17	18	21	23							
" 5.	"	16	18	19	21	24							
" 6.	"	17	19	21	23	26							
" 7.	"	19	21	22	25	28							
" 8.	"	21	23	24	26	28							
" 9.	"	23	25	26	28	30							
" 10.	"	25	26	27	28	30							
" 11.	"	.....	28	29	31	32		46					
" 12.	"	.....	30	31	33	34		50					
" 13.	"	.....	.....	35	37	39		57					
" 14.	"	.....	.....	39	40	42		63					
" 15.	"	.....	.....	45	47	48		71					
" 16.	"	.....	.....	52	52	55		76					
" 17.	"	.....	.....	.....	.....	60		85					
" 18.	"	.....	.....	.....	67	67		94					
" 20.	"	.....	.....	.....	98	98		101					
" 22.	"	.....	.....	.....	.....	.....		108					
" 24.	"	.....	.....	.....	.....	.....		120					
								148					
								180					
								200					
								236					
								272					
								286					
								296					
								312					
								324					
								344					

SCREW WRENCHES—(See Wrenches.)

SCROLL-CHUCKS—

FAIRMAN'S.

Prices.

4 inches diameter,	.	.	.	.	.	\$10.00
6 " "	.	.	.	.	.	15.00
9 " "	.	.	.	.	.	20.00
12 " "	.	.	.	.	.	25.00
15 " "	.	.	.	.	.	30.00
18 " "	.	.	.	.	.	35.00
21 " "	.	.	.	.	.	50.00
24 " "	.	.	.	.	.	65.00

SCROLL-CHUCKS—

HORTON'S.

6 inches diameter,	.	.	.	.	.	\$20.00
9 " "	.	.	.	.	.	25.00
12 " "	.	.	.	.	.	30.00
15 " "	.	.	.	.	.	35.00
18 " "	.	.	.	.	.	40.00
21 " "	.	.	.	.	.	50.00
24 " "	.	.	.	.	.	65.00
30 " "	.	.	.	.	.	100.00
36 " "	.	.	.	.	.	150.00

SCROLL-CHUCKS—

EDDY'S.

6 inches diameter,	.	.	.	.	.	\$15.00
9 " "	.	.	.	.	.	20.00
12 " "	.	.	.	.	.	25.00
15 " "	.	.	.	.	.	30.00
18 " "	.	.	.	.	.	35.00
21 " "	.	.	.	.	.	50.00
24 " "	.	.	.	.	.	65.00
30 " "	.	.	.	.	.	100.00

SEATS—Plain Car Seats, complete, each,	\$15.00 to 20.00
Patent Reclining, “ “	16.00 to 20.00
Bailey's Adjustable and Reclining Car Seat, for day or night train,	18.00 to 25.00

**SWAN & BAILEY'S ADJUSTABLE CAR SEAT,
FOR DAY AND NIGHT TRAVEL.**



The foregoing Car Seat combines, in the highest degree, cheapness and simplicity of construction with the greatest amount of comfort and convenience. The material of the frame is Cast Iron, ornamentally designed and elegantly enamelled, the more prominent parts being embellished with bronze or fire-gilt; and the general appearance of the seat is far lighter, more elegant, its strength and durability much greater, and at the same time its cost is less than the ordinary seat.

It is adjusted at any desired angle, by simply throwing the body backwards or forwards with a moderate degree of force—the parts being so nicely balanced, that no further effort is required, at the same moment the cushion raises itself slightly upwards. It is retained in its position, however loose the rivet joints may become by reason of long and hard usage or bad construction; the back does not turn over like the ordinary seat, but is lifted bodily over, keeping always the same edge upwards, and being upholstered and used on both sides, wears as long again as the common seat. This back is provided with two Head-rests, capable of swivelling around to suit the occupant's pleasure, being turned back out of the way in the day-time; thus making the seat equally available for day or night travel. It takes up no more space than the ordinary seat; its simplicity of construction, and its inability to get out of order, together with the absence of all catches or fastenings of any kind, render it worthy the attention of all persons interested in Railroad improvements.

Liberal arrangements made with Railroad Companies desiring to purchase the right to build their own Seats.

The Seats are now in use on the following Roads, to which we refer:—

New-York and Erie.	Little Miami, C., and X.
Baltimore and Ohio.	Cleveland, P., and A.
South Carolina.	Illinois Central.
Wilmington and Manchester.	Pennsylvania.
Richmond, Fred., and Potomac.	South Western.
Ohio Central.	Cleveland and Erie.
Cincinnati, Hamilton and Dayton.	Marietta and Cincinnati.
Virginia Central.	Central R. R. of Georgia.

List of Prices.

Seats upholstered, covered with Brussels' Carpet,	\$19.00
“ “ “ Plush,	20.00
Double Seats, “ “ Brussels' Carpet,	22.00
“ “ “ Plush,	24.00
Iron Work, Japanned, for single seats,	8.00
“ “ “ double “	9.00
Wood “ “ “ “	2.00

SEAT TRIMMING—

Malleable Iron Seat Arms	.	.	per lb.	\$0.10
Cast " Feet,	.	.	"	0.05
Brass, Seat Stops, or Hooks,	.	.	"	0.46
" " Pivots,	.	.	"	0.46
" " Rivets,	.	.	"	0.60

SET SCREWS OR TAP BOLTS, THREADED.

1-4 Inch.		5-16 Inch.		3-8 Inch.		7-16 Inch.		1-2 Inch.	
1½,	\$2.60	1½,	\$2.70	1½,	\$2.85	1½,	\$3.20	1½,	\$3.80
1¾,	2.65	1¾,	2.75	1¾,	2.90	1¾,	3.25	1¾,	3.85
2,	2.70	2,	2.80	2,	2.95	2,	3.30	2,	3.90
2¼,	2.75	2¼,	2.85	2¼,	3.00	2¼,	3.35	2¼,	3.95
2½,	2.80	2½,	2.90	2½,	3.05	2½,	3.40	2½,	4.00
2¾,	2.85	2¾,	2.95	2¾,	3.10	2¾,	3.45	2¾,	4.05
3,	2.90	3,	3.00	3,	3.15	3,	3.50	3,	4.10

9-16 Inch.		5-8 Inch.		11-16 Inch.		3-4 Inch.	
1½,	\$4.40	1½,	\$5.40	1½,	\$6.25	1½,	\$7.10
1¾,	4.50	1¾,	5.50	1¾,	6.40	1¾,	7.25
2,	4.60	2,	5.60	2,	6.55	2,	7.40
2¼,	4.70	2¼,	5.70	2¼,	6.70	2¼,	7.55
2½,	4.80	2½,	5.80	2½,	6.85	2½,	7.70
2¾,	4.90	2¾,	5.90	2¾,	7.00	2¾,	7.85
3,	5.00	3,	6.00	3,	7.15	3,	8.00

SHAFTING furnished to order.

SHEARS—Taft's Patent.

No. 1, Hand Shears, ..	\$18.00
“ 2, “ “	25.00
“ 3, “ “	40.00
“ 4, “ “	65.00
“ 5, “ “	85.00
“ 6, “ “	110.00
No. 1, Power “	75.00
“ 2, “ “	110.00
“ 3, “ “	150.00
“ 4, “ “	200.00
“ 5, “ “	300.00
“ 6, “ “	500.00
“ 7, “ “	1,000.00

SHEARS—Thompson's Patent.

No. 1 will cut $\frac{3}{16}$ inch Iron or Steel, .	\$25.00
“ 2 “ $\frac{1}{4}$ “ “ “ .	50.00
“ 3 “ $\frac{3}{8}$ “ “ “ .	65.00

SHOVELS—Ames', Cast Steel, warranted.

Plain,	per doz.	\$10.00
Polished,	“	12.00

SIGNS for Locomotives—Brass, 5 letters, \$7.00. Each, succeeding letters, \$2.00 extra.

SLEEPERS and TIES cut all lengths, and at low prices.

SLEDGES, Cast Steel, . . . per lb. \$0.23

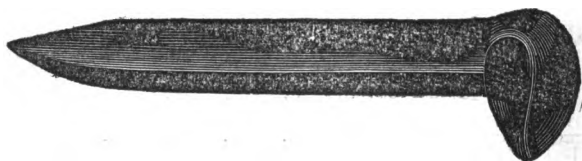
SLEDGE HANDLES, . . . per doz. 1.50

SPARK ARRESTERS, . . . each, \$150.00 to 170.00

SPELTER SOLDER, . . . per lb.

SPELTER SILESIA, Refined, " 0.05 to 0.07

SPIKES, Railroad,



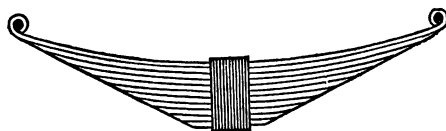
Hook Head, . . . per lb. \$0.03 to 0.04

" Countersunk, . . . " 0.04 to 0.04

Ship and Boat, as ordered.

SPIRITS OF TURPENTINE, . per gal. 0.60 to 0.65

SPRINGS—Locomotive and Car Steel Springs—Warranted the best article made.

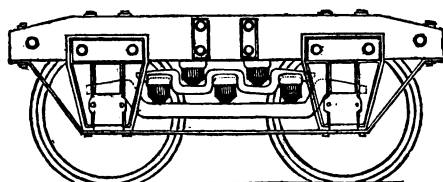


Elliptic, . . . per lb. \$0.10½

Half Elliptic, . . . " 0.10

India Rubber Car Springs, . . . " 0.60

CONICAL VOLUTE STEEL CAR SPRINGS.

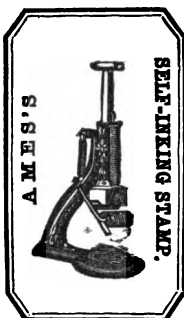


We are prepared to furnish Springs of any size desired. All orders should designate the Height, Diameter, Size of Hole, and Power of Springs required, also advise if for Freight or for Passenger Cars.

Number.	Height.	Diameter.	Dimensions. of Steel.		Price.	Designed for.
1	5½ to 6½	5½ in.	4½ x 1½	5 coil.	\$5 00	Bearing Spring.
2	6 to 6½	6 "	4½ x 1½	6 "	6 00	" "
3	5½ to 6½	5½ "	4 x 1½	5 "	5 00	" "
4	5½ to 6½	5 "	4½ x 1	5 "	5 00	" "
5	6 to 6½	5½ "	4½ x 1	6 "	6 00	" "
6	4½ to 5½	4 "	3½ x 1½	6 "	3 50	" "
7	7½ to 8½	5½ "	6½ x 1	5 "	6 00	Buffer.
8	5½ to 6½	6½ "	4½ x 1½	5 "	6 00	"

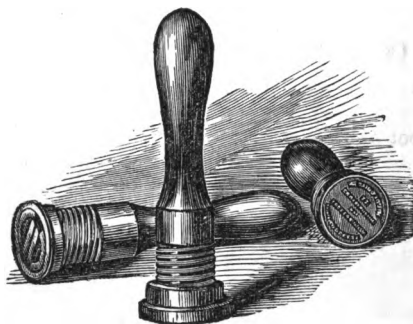
The above are the ordinary sizes.

STAMPS—

HAND STAMPS.

This truly ingenious Stamp is so constructed that with one motion of the hand the dye is inked, and the impression made—and double of the number of impressions can be struck with them than can be made with any other Stamp, therefore making them very desirable for ticket agents. The dates are changed with only a moment's delay.

The price of Stamp Complete, with Plate, Ink and Changeable Dates, (months and days), \$9.00. Without Dates, \$6.00.

RUGGLES' PATENT FLEXIBLE HAND STAMP.

This Stamp is the only Flexible Hand Stamp in the market. Its many advantages are too well known to railroad men to require further comment.

Prices for stamp complete, consisting of Handle, set of Pads, Ink and Brush. Change of dates (months and days), \$9.00. Without changeable dates, \$6.00.

A Stiff Hand Stamp with Iron Die, Changeable Dates and Inscription, containing 13 letters, can be furnished for \$2.50, 10 cents for each additional letter.

A Steel Stamp with steel dates, \$8.50.

Stamping Boxes (for stiff stamps), with Ink Pad and Brush, \$1.25.

STATIONERY of every description ; also, Freight and Account books printed in any form required.

STEAM ENGINES, (See Engines.)

STEAM BOILERS as ordered.

STEEL—Best English and American

Cast Steel,	per lb.	\$0.16½	
Best English Spring Steel, .	“	0.06 to	0.06½
Frog Steel, in bars, . . .	“	0.10	
“ “ bars cut to length, “		0.12½	
“ Points and Shape, to pattern, “		0.12½	

STOCKS and DIES, as ordered.

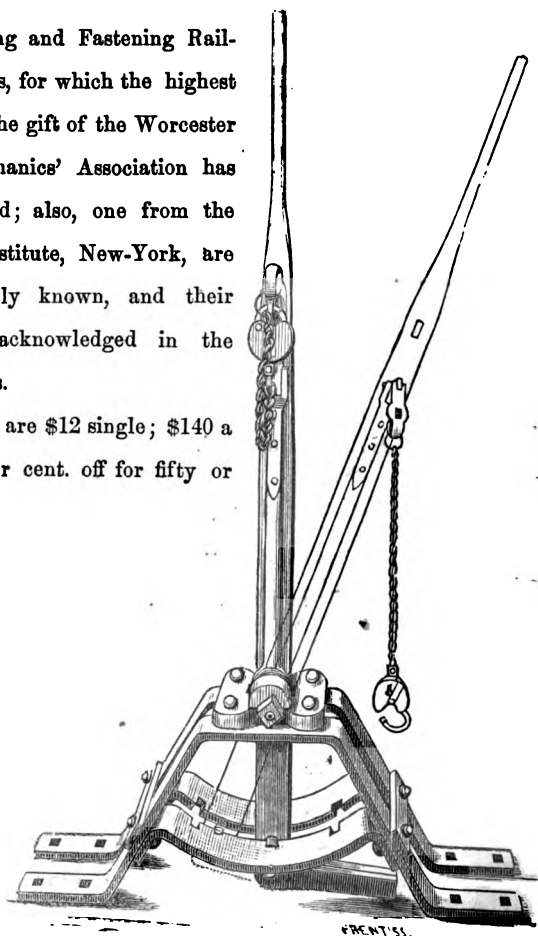
STOVES for Cars—Wood Stoves, .	each,	10.00 to 16.00
“ Coal, “ . “		10.00 to 16.00
Depot and Shop Stoves . “		5.00 to 16.00

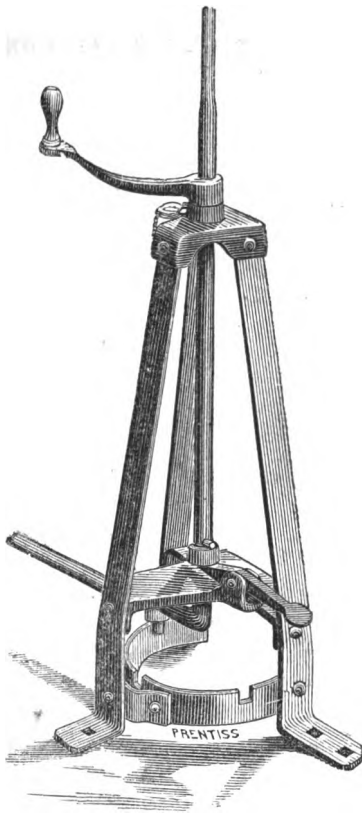
SWITCH-STANDS—Iron.

WOODWARD'S PATENT WROUGHT-IRON STANDS,

For Shifting and Fastening Railroad Switches, for which the highest premium in the gift of the Worcester County Mechanics' Association has been awarded; also, one from the American Institute, New-York, are now generally known, and their superiority acknowledged in the United States.

The prices are \$12 single; \$140 a dozen. 6 per cent. off for fifty or more.





The pedestal stand represented by the above cut, is designed for places where there is not room to operate the other. It is actuated partially by the foot, and is

SELF-FASTENING.

Orders for this kind should state whether they are wanted for Two or Three Tracks. We keep none on hand except for a Throw of Five Inches.

We will furnish any pattern of Switch-stand that may be ordered.

T.

TACKS—

TALLOW, per lb. \$0.10 to 0.12

TELEGRAPH INSTRUMENTS—

Registers,	each,	\$20.00 to 40.00
Relay Magnets,	"	16.00
Receiving "	"	10.00 to 28.00
Keys,	"	5.00
Batteries,	"	1.00
Insulators of every variety, .	per 100,	8.00 to 40.00

TELEGRAPH WIRE—

No. 5, -740 lbs. per mile, -5½ cts. best proved, -7 cts. extra best proved							
6, 620	"	"	5½	"	"	7	"
7, 500	"	"	5½	"	"	7½	"
8, 400	"	"	5½	"	"	7½	"
9, 320	"	"	5½	"	"	7½	"
10, 280	"	"	6½	"	"	8	"
11, 200	"	"	6½	"	"	8½	"

THREAD, Linen, per lb. \$1.00

TIES—Chestnut, Cedar and Hemlock, each, \$0.30 to 0.50

TIN—Gov't Banca,	per lb.	0.31 to 0.33
Straits,	"	0.30 to 0.32
Reverly,	"	
Bar,	"	

TIN PLATE—1 C, Charcoal, .	per box, \$7.75 to	8.00
1 X, Best Brands, .	“	10.00
1 XX, “ .	“	12.00
1 XXX “ .	“	15.00
14 + 20, Terne Plate for Roofing, “	7.25 to	7.75

TIRES, for Locomotives, from the most celebrated manufacturers.

LOWMOOR, welded to size, .	per lb.	\$0.12
BOWLING, “ “ .	“	0.13
AMES', “ “ .	“	0.12

CHILLED LOCOMOTIVE.

MOORE & ADAMS

43½ inch—3½ inch outside diameter, .	each,	\$27.00
43¾ “ “ “ “ .	“	28.00
45½ “ “ “ “ .	“	28.50
45¾ “ “ “ “ .	“	29.00
48 “ “ “ “ .	“	30.00
49 “ “ “ “ .	“	33.00
51 “ “ “ “ .	“	37.00
56 “ “ “ “ .	“	39.00
57 “ “ “ “ .	“	40.00
60 “ “ “ “ .	“	44.00
62½ “ “ “ “ .	“	47.00
63½ “ “ “ “ .	“	50.00

TORPEDOES or FOG SIGNALS, . . . per doz. **\$1.50**

TRACK JACKS. (See Jacks.)

TRIP HAMMERS, . . . each, \$300.00 to 500.00

TRUCKS for Cars.

TRUCKS for Baggage.

No. 0 for Depot use, . . .	each,	3.50
" 1 " " " . . .	"	3.50
" 2 " " " . . .	"	4.25
" 3 " " " . . .	"	5.75
" 4 " " " . . .	"	7.00

TRUNKS for Conductor's use, . . . each, **6.00**

TUBES—Brass for Locomotives, . . . per lb. **0.33**

Copper, " . . . " **\$0.35 to 0.38**

TURN TABLES.

WARD'S PATENT SELF-CENTERING.

This Table is constructed upon a new principle, and at a moderate cost. Full particulars furnished by letter.

TWINE for Tufting, . . . per lb. **\$0.50**

Hemp, Flax and Cotton, at market prices.

V.

VALVES—Brass and Globe, as ordered.

Iron, “

VARNISH—We warrant to be the very best in the market.

“	Elastic or Imitation English Coach Body, p. gall.	\$4.00
“	Wearing Coach Body,	“ 3.25
“	Coach Body,	“ 2.75
“	No. 1, Coach or Carriage,	“ 2.50
“	Best Flowing,	“ 2.75
“	Best Polishing,	“ 2.75
“	No. 1, Furniture,	“ 1.50
“	No. 3, “	“ 1.15
“	Light “	“ 1.75
“	White Copal,	“ 3.00
“	Black Japan,	“ 1.25
“	Brown Japan,	“ 1.13

VENEERS—Mahogany, Cherry, Oak, &c., as ordered.

VENTILATORS—

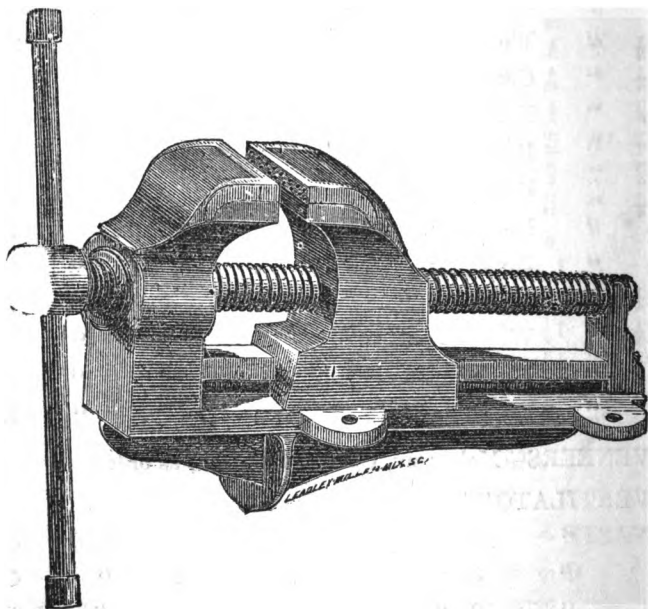
“	7 Inch,	each,	3.50
“	8 “	“	4.50
“	10 “	“	5.50

VENTILATOR RINGS—

“	2½ Inches,	each,	\$0.45
“	3 “	“	0.50
“	6 “	“	0.75
“	7 “	“	0.87
“	8 “	“	1.00
“	10 “	“	1.50

VICES—Wilson's best Shop Vises, warranted.

Composition Box,	.	.	.	per lb.	\$0.15
Iron,	"	.	.	"	0.14

PARALLEL—

2½ Inches Length of Jaw,	.	.	.	each,	\$1.75
3 " " "	.	.	.	"	2.25
3½ " " "	.	.	.	"	3.00
4 " " "	.	.	.	"	4.25
4½ " " "	.	.	.	"	5.75

WASHERS.

IN KEGS OF 150 POUNDS EACH, OR AS ORDERED.

Outside Diameter.	Size of Hole.	Thickness Wire Gauge.	100 OF A WIRE.	
$\frac{1}{2}$ by $\frac{1}{4}$	No. 16	for $\frac{3}{16}$	in bolts per 100, 12 $\frac{1}{2}$ cts.	
$\frac{5}{8}$ " $\frac{5}{16}$	" 16	" $\frac{1}{4}$	" " 14 "	
$\frac{3}{4}$ " $\frac{3}{8}$	" 15	" $\frac{5}{16}$	" " 16 "	
$\frac{7}{8}$ " $\frac{3}{8}$	" 14	" $\frac{5}{16}$	" " 16 "	
1 " $\frac{7}{16}$	" 13	" $\frac{3}{8}$	" " " " " "	
$1\frac{1}{8}$ " $\frac{1}{2}$	" 13	" $\frac{7}{16}$	" " " " " "	
$1\frac{1}{4}$ " $\frac{9}{16}$	" 12	" $\frac{1}{2}$	" " " " " "	
$1\frac{3}{8}$ " $\frac{5}{8}$	" 12	" $\frac{9}{16}$	" " " " " "	
$1\frac{1}{2}$ " $\frac{11}{16}$	" 11	" $\frac{5}{8}$	" " " " " "	
$1\frac{3}{4}$ " $\frac{3}{4}$	" 11	" $\frac{11}{16}$	" " " " " "	
$1\frac{7}{8}$ " $\frac{13}{16}$	" 10	" $\frac{3}{4}$	" " " " " "	
2 " $\frac{7}{8}$	" 10	" $\frac{13}{16}$	" " " " " "	per lb. By the keg, 8cts
2 " 1	" 10	" $\frac{7}{8}$	" " " " " "	
$2\frac{1}{4}$ " $1\frac{1}{8}$	" 9	" 1	" " " " " "	
$2\frac{1}{2}$ " $1\frac{1}{4}$	" 8	" $1\frac{1}{8}$	" " " " " "	
$2\frac{3}{4}$ " $1\frac{3}{8}$	" 7	" $1\frac{1}{4}$	" " " " " "	
3 " $1\frac{5}{8}$	" 6	" $1\frac{1}{2}$	" " " " " "	
4 " 2	" 4	" $1\frac{3}{4}$	" " " " " "	

ALL SIZES NUTS AND WASHERS

Not named in the list, made to order.

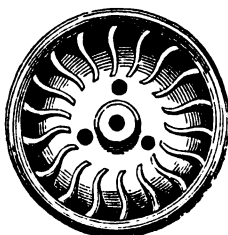
WASTE—

Our facilities for obtaining Waste are such, we are prepared to furnish it in any quantity, and under the market price.

Best White Cotton Cop, No. 1, per lb.	\$0.8 $\frac{1}{2}$ to 0.9 $\frac{1}{2}$
" " " " " 2, "	0.08 to 0.09
Duck, "	0.08 to 0.09
Colored Cotton, "	0.6 $\frac{1}{2}$ to 0.07
Wool and Cotton for Boxes, "	0.10

WATER COOLERS—Iron, . . . each,	6.00
" Stands, " "	5.00
WEBBING, No. 10, per gro.	1.75

WHEELS for Cars and Locomotives, made of pure Salisbury Iron.



RICHARDSON & BARNUM'S

[illegible]

WASHBURN'S

26	Inch Car Wheel, Single Plate,	.	.	.	.	.	.	each,	\$12.00
28	" " " " "	.	.	.	.	.	.	"	13.00
30	" " " " "	.	.	.	.	.	.	"	13.50
33	" " " " "	.	.	.	.	.	.	"	15.00
26	" " " Double "	.	.	.	.	.	.	"	13.50
28	" " " " "	.	.	.	.	.	.	"	14.50
30	" " " " "	.	.	.	.	.	.	"	15.00
33	" " " " "	.	.	.	.	.	.	"	16.00
36	" " " " "	.	.	.	.	.	.	"	18.00

WHITNEY'S

18	Inch Spoke Wheels, for Hand Cars,	each,	\$2.00
26	" " for Repairing and Mining Cars,	"	3.75
18	" Plate, Locomotive Cars,	"	9.00
28	" " " " " "	"	11.00
30	" " Passenger and Freight,	"	12.00
30	" " Coal Cars and light service,	"	11.00
33	" " Locomotive, Passenger and Freight Cars,	"	13.50
33	" " Coal Cars and light service,	"	12.25
36	" " Locomotive, Passenger and Freight Cars,	"	14.50
36	" " Coal Cars and light service,	"	13.50

DRIVING WHEELS, (Spoke and Plate) and Tires, 42, 44, 46, 48 and 54 Inches Diameter. 5 cts. per lb.

BORING WHEELS, accurately to standard Guages, Holes warranted of uniform size. 25 cts. per Wheel.

FITTING WHEELS, on axles, complete, \$1 per wheel, if axles are furnished by purchaser.

WHEELS—

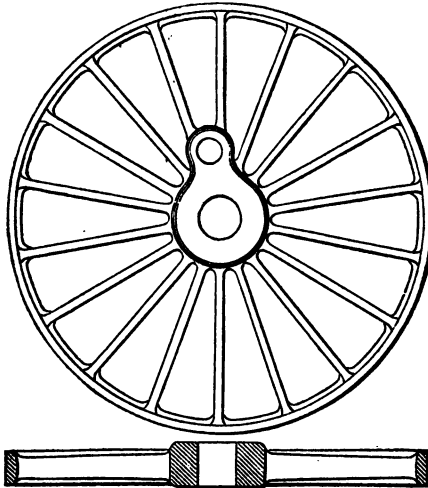
BUSH & LOBDELL'S

26 inch Double Plate,	each,	\$14.50
28 " " "	"	15.00
30 " " "	"	15.50
33 " " "	"	16.50
36 " " "	"	20.00

H. W. MOORE'S PATENT.

20 inch Single Plate Wheel for Locomotives and Cars,	each,	\$8.00
24 " " " " " "	"	9.50
26 " " " " " "	"	10.50
28 " " " " " "	"	11.00
30 " " " " " "	"	12.00
33 " " " " " "	"	13.15
36 " " " " " "	"	15.00
24 " Triple Plate Wheel	"	11.00
26 " " " " " "	"	11.50
28 " " " " " "	"	12.00
30 " " " " " "	"	12.50
31 " " " " " "	"	13.00
33 " " " " " "	"	13.50
36 " " " " " "	"	16.00

WROUGHT IRON DRIVING WHEELS—



Price, per lb. \$0.05 to 0.06
WHEEL PRESS—(See Presses.)

WHISTLES—Steam Whistles.

"	2 Inches,	.	.	.	.	each,	\$3.00
"	3 "	.	.	.	.	"	9.00
"	4 "	.	.	.	.	"	11.00
"	5 "	.	.	.	.	"	15.00
"	6 "	.	.	.	.	"	20.00

WHITE LEAD in Oil, . . . per lb. 0.08

" " Dry, . . . " 0.07

WICKS for Car Lamps, . . . per gross, 0.50 to 1.00

" Locomotive Lamps, . . . " 6.50

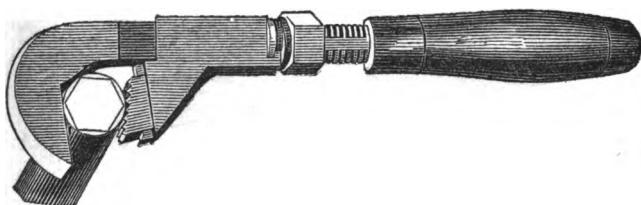
WIRE for Fences.

No.	|	5	|	6	|	7	|	8	|	9	|	10
Per lb.	|	4½	|	4½	|	5	|	5	|	5	|	5½

WIRE CLOTH for Smoke Stacks—

Twilled, . . . per sq. foot, \$0.25

Plain, . . . " 0.12½

WRENCHES—**PHILLIPS' PATENT SCREW WRENCH,**

For unscrewing Stud-Bolts, Gas Pipe, and other articles, or even square and six-cornered bolt heads when worn, which has been a source of delay to all mechanics, particularly when doing repairs away from the shop, a difficulty which this wrench obviates. The peculiar construction of the wrench prevents even the most careless workman from breaking it, as it will only "take hold" when properly held, and cannot be used as a hammer. Two of them will replace a dozen pair of tongs, and are more portable and durable.

All who have tried the Wrench consider it indispensable.

6 Inch Bright Wrench,	.	.	.	per doz.	\$11.00
9 " " "	.	.	.	"	14.00
12 " " "	.	.	.	"	20.00
16 " " "	.	.	.	"	25.00
19 " " "	.	.	.	"	30.00
24 " " "	.	.	.	"	41.00

Unpolished Wrenches will be \$2.00 per dozen less.

WRENCHES—**TAFT'S NEW PATTERN.**

10 inch Black Wrench,	.	.	.	per doz.	\$9.00
12 " " "	.	.	.	"	10.00
15 " " "	.	.	.	"	18.50
18 " " "	.	.	.	"	25.00

Polished Wrenches will be \$2.00 per doz. extra.

**COE'S NEW PATTERN.**

10 inch Black Wrench,	.	.	.	per doz.	\$9.50
12 " " "	.	.	.	"	11.00
15 " " "	.	.	.	"	20.00
18 " " "	.	.	.	"	26.00

Polished Wrenches will be \$2.00 per doz. extra.

Z.

ZINC, Sheets,	.	.	.	per lb.	\$0.08 to 0.08½
Pigs,	.	.	.	"	0.06 to 0.07½

This book is due two weeks from the last date stamped below, and if not returned at or before that time a fine of five cents a day will be incurred.

G25

L95

Low & Burgess

Catalogue for railroad & steamboat co's.

